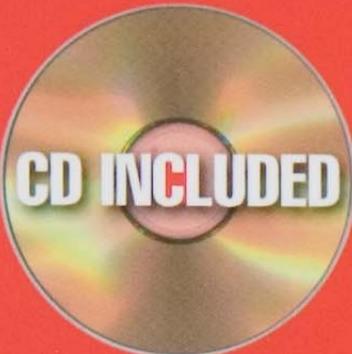


HAL LEONARD
BASS METHOD



COMPLETE EDITION

Contains books 1, 2, and 3 bound together in one easy-to-use volume

SECOND EDITION

BY ED FRIEDLAND



HAL•LEONARD®

**HAL LEONARD
BASS METHOD**

COMPLETE EDITION

Contains books 1, 2, and 3 bound together in one easy-to-use volume

BY ED FRIEDLAND



Each track on the accompanying CDs is recorded in stereo, with bass panned hard right.

To remove the bass, adjust the balance control on your CD player.

**All instruments performed by Ed Friedland.
Edited by Doug Downing**

ISBN 0-7935-6383-6



Copyright © 2004 by HAL LEONARD CORPORATION
International Copyright Secured All Rights Reserved

For all works contained herein:
Unauthorized copying, arranging, adapting, recording or public performance is an infringement of copyright.
Infringers are liable under the law.

Visit Hal Leonard Online at
www.halleonard.com

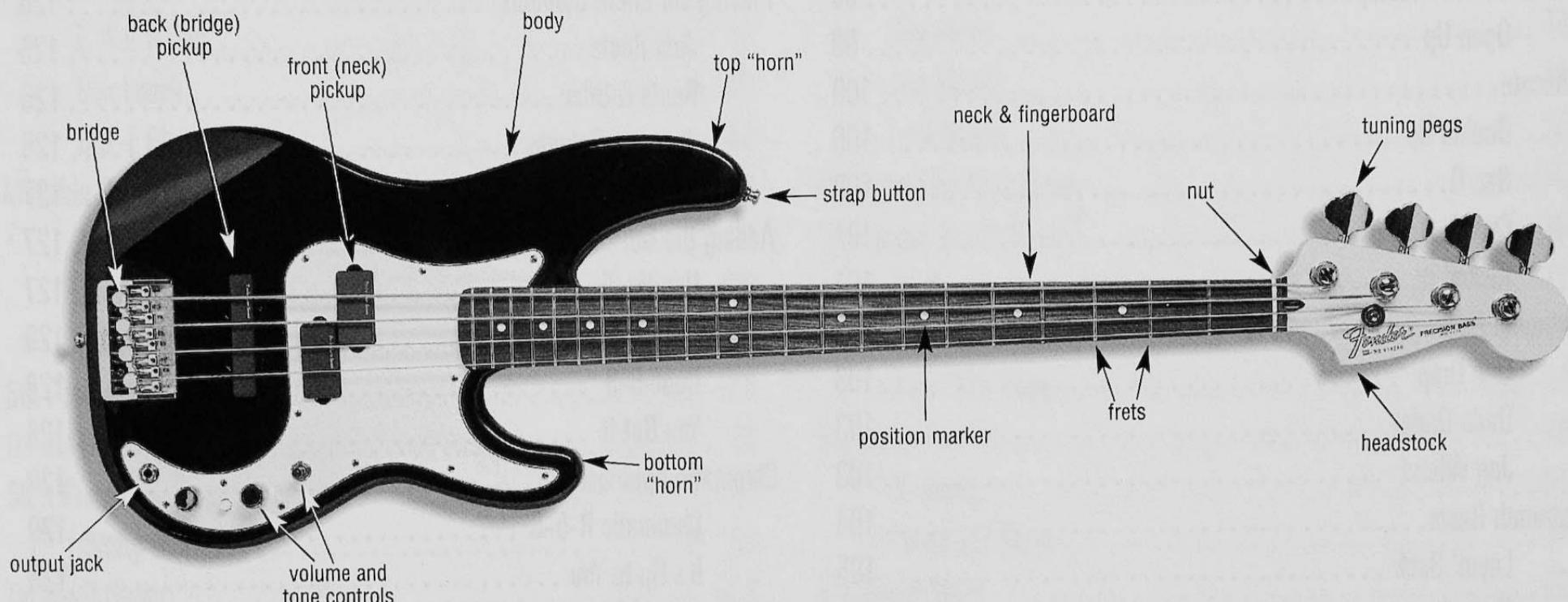
BOOK 2

The Box Shape	52	The Classic Blues Line	74
E, A & B Box	53	Gee Blues	74
Box Lunch	53	Aay, Blues!	74
Box-E Blues	53	Low Down	75
Movable Boxes	54	Understanding Bass Lines	75
Your Move	55	Syncopated Eighth Notes	76
Move It	55	Off Beat	77
Movie Star	55	Funky Soul Groove	77
5th Position	56	That '70s Thing	77
On the G String	56	The Major Triad	78
Shift Practice	57	Tri Again	81
Shifty Henry	57	Funky Li'l Blues	81
On the D String	58	The Minor Scale	82
Dee Gee	58	Minor Scale Sequence	82
5-3-1	59	Relative Minor and Major	82
Dig It	59	House O' Horror	85
On the A String	60	Noir	85
Introducing Tablature	60	Jazz Minor	85
Tab Hunter	61	Modulation	86
Pay the Tab	61	Minor Modulation	86
On the E String	62	Mod Crazy	86
Open/Closed	63	Minor Triads	87
Da Blues	63	Bogey Man	90
All Together Now	64	Roots	90
Swing Time	65	Gypsy Swing	91
One Finger Per Fret	65	Room-ba with a View	91
The Major Scale	66	Eighth-Note Triplets	92
Scale Sequence #1	67	The '50s	93
Scale Sequence #2	67	12/8 Time	93
Key Signatures	68	Bumpin'	93
Universal Fingerings	70	The Shuffle Rhythm	94
Scale Sequence #3	71	Old Days	94
Scale Sequence #4	71	One- and Two-Measure Repeats	95
Pasta Mon	72	Bad Bone	95
D-Lish	72	Uptown Down	95
A-Flat Tire	72	Classic Flat 7	96
Open E	73	Rollin'	96
G3	73	Go On	97
B-Flat Jump	73		

BOOK 3

The Chromatic Walkup	98	Playing Off Chord Symbols	126
Open Up	99	Just Roots	126
Staccato	100	Roots & 8ths	126
Double Up	100	Jumping Octaves	126
Rez-Q	100	Your Turn	127
Curtis	101	Adding the 5th	127
Kickin' It	101	Use the 5	127
Sixteenth Notes	102	5 By 8	128
One Drop	103	Root-5-8	128
Dada Dadat	103	You Got It	128
Jog Wheel	103	Chromatic Approach	129
Sixteenth Rests	104	Chromatic R-5-8	129
Layin' Back	105	It's Up to You	129
Nazz-T	105	Scale Approach	130
Plutonic	105	Scale R-5-8	130
Funky 16th-Note Syncopation	106	All Yours	130
Ookachu Wha?	106	Dominant Approach	131
Groove	107	Dominant to the 5th	131
Combo	108	You Go, Hugo	131
Minor Glitch	109	Using Triads to Create Bass Lines	132
Do It Now	110	Walking Triads	132
Soul Groove	110	Walk This Way	132
D-Troit	111	Simple Triads	133
Seventh Chords	112	On Your Own	133
Floaty	113	Triads & Dotted Quarters	133
Vanilla	113	Uh Huh	134
L'il Thing	115	Locking In to the Groove	134
Funk Time	115	Groove Jam	135
Little M	117	Time 2 Groove	135
Shufflin'	117	Slap Funk	136
Middle Man	118	Slap This	137
On the Verge	118	Pent Up	137
Slides	119	The Pop	138
Slippin' & Slidin'	119	Combining Slap and Pop	138
Minor Pentatonic	120	Octave Slap	139
Venture Forth	121	Chromatic Octaves	139
Deja View	121	Gritty	140
Hammer-Ons & Pull-Offs	122	The Pressure Roll	140
Hammer Head	122	Dead Notes	141
X-Tender	123	Dead End	141
Major Pentatonic	124	Keep It Together	142
Just Like My Girl	125	It's an Eyeful!	143
N'awlins Beat	125		

THE ELECTRIC BASS



THE BASS AMP

To hear yourself clearly, it is necessary to play an electric bass through an amplifier. Though there are many different sizes, a simple, self-contained unit ("combo") will work fine. Use a patch cord, or cable, to connect from the output of the bass to the input of the amp. Make sure the amp's volume knob is turned off, or all the way counterclockwise. The tone controls should be set "flat," or at 12 o'clock. Turn on the power, and slowly adjust the volume to an appropriate level. Be careful; too much volume could blow out the speaker!



TUNING

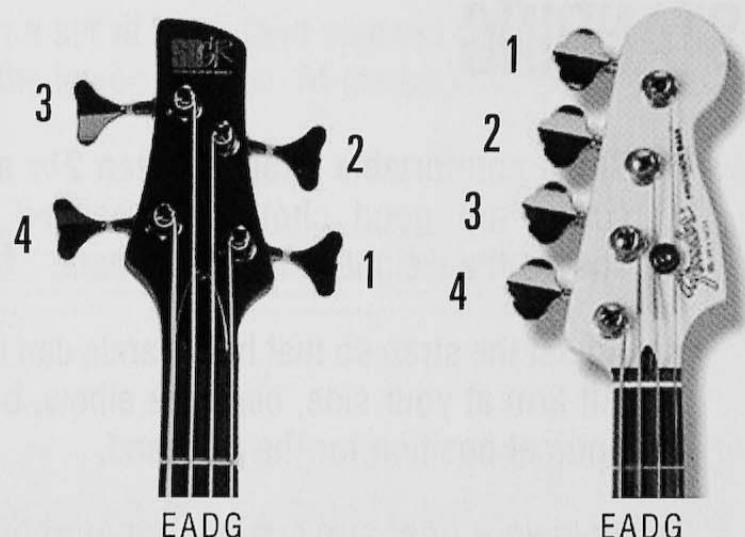
TUNING TO THE CD



TRACK 1

To tune your bass, adjust the tuning pegs. Tightening a peg will raise the pitch of a string, loosening a peg will lower it.

On CD Track 1, each string is played four times. The first string you'll hear is the G (1st) string. Check your string with the CD; if it sounds lower than the recording, tighten the tuning peg until you get closer to the pitch on the CD. If your string is higher, then loosen the peg. Once the G string is in tune, repeat this process with the D, A, and E strings (2, 3, and 4).



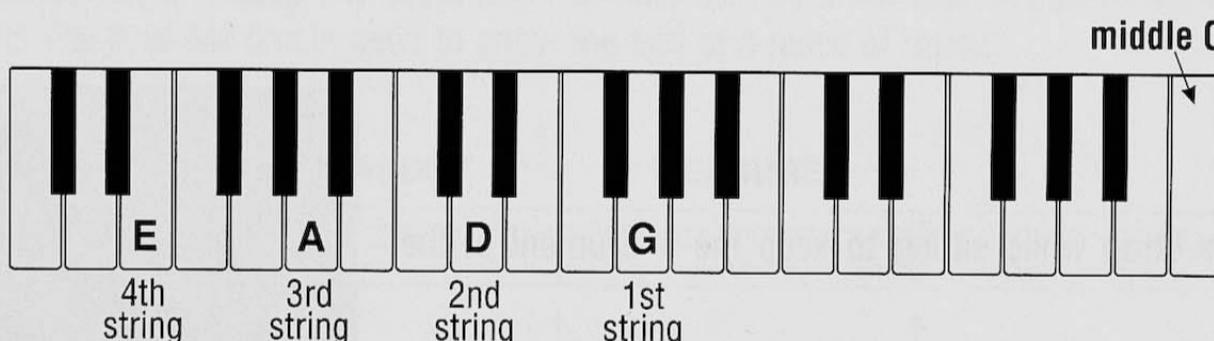
USING AN ELECTRONIC TUNER

Electronic tuners have become very affordable, so it's a good idea to have one. There are generally two types available: a "bass" (or "guitar") tuner, which will only read the open strings of your instrument, or a "chromatic" tuner, which will read any pitch. Either will do the job. Plug your bass into the input of the tuner and play your open G string. The tuner will read the pitch and tell you if the string is sharp (too high) or flat (too low). Adjust the tuning peg until the tuner indicates you are in tune. Repeat the process with the D, A, and E strings.



TUNING TO A KEYBOARD

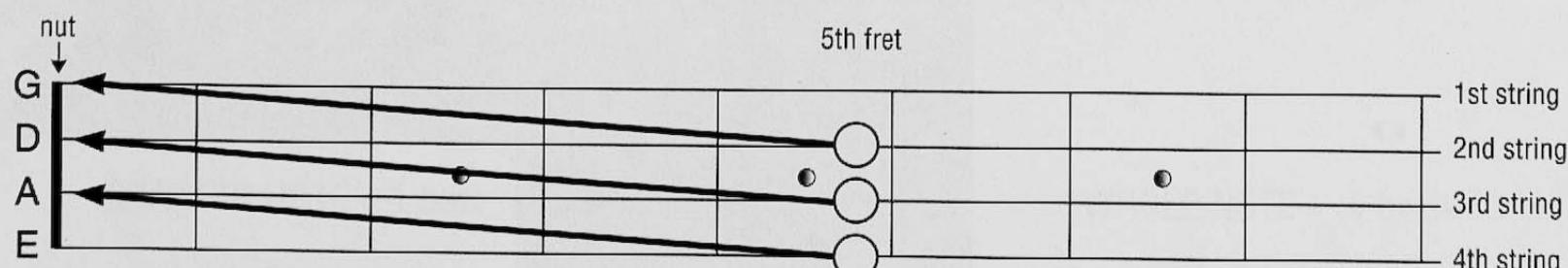
Use the appropriate key on a piano/keyboard to check your open strings.



RELATIVE TUNING

Here's another way to tune your bass. It is less accurate, as it assumes that your starting string is in tune—and it is harder for the ear to hear the low pitch of the bass as well as a tuner can—but this method works when there are no other alternatives. It's also a good way to check your tuning.

- Start with your open G string. If there is an accurate G available, use it; otherwise, assume the G string is tuned to the correct pitch.
- Play the D string at the 5th fret, and see if that note matches the open G. Tune the D string up or down until the two notes match.
- Play the A string at the 5th fret; compare it to the open D. Tune the A string up or down until the two notes match.
- Play the E string at the 5th fret; compare it to the open A. Tune the E string up or down until the two notes match.

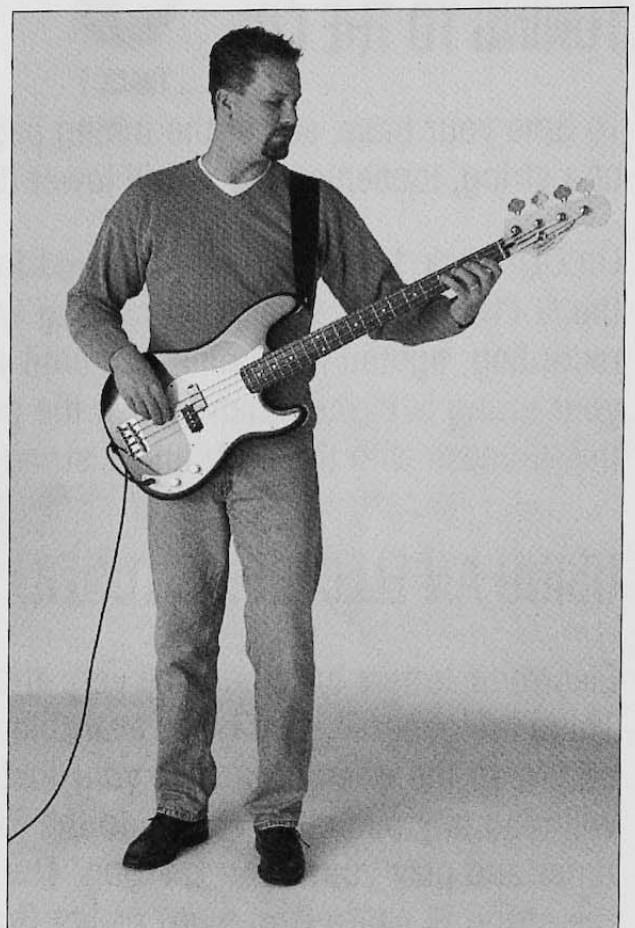


This is called *relative tuning* because the strings are tuned relative to one another.

PLAYING POSITIONS

STANDING

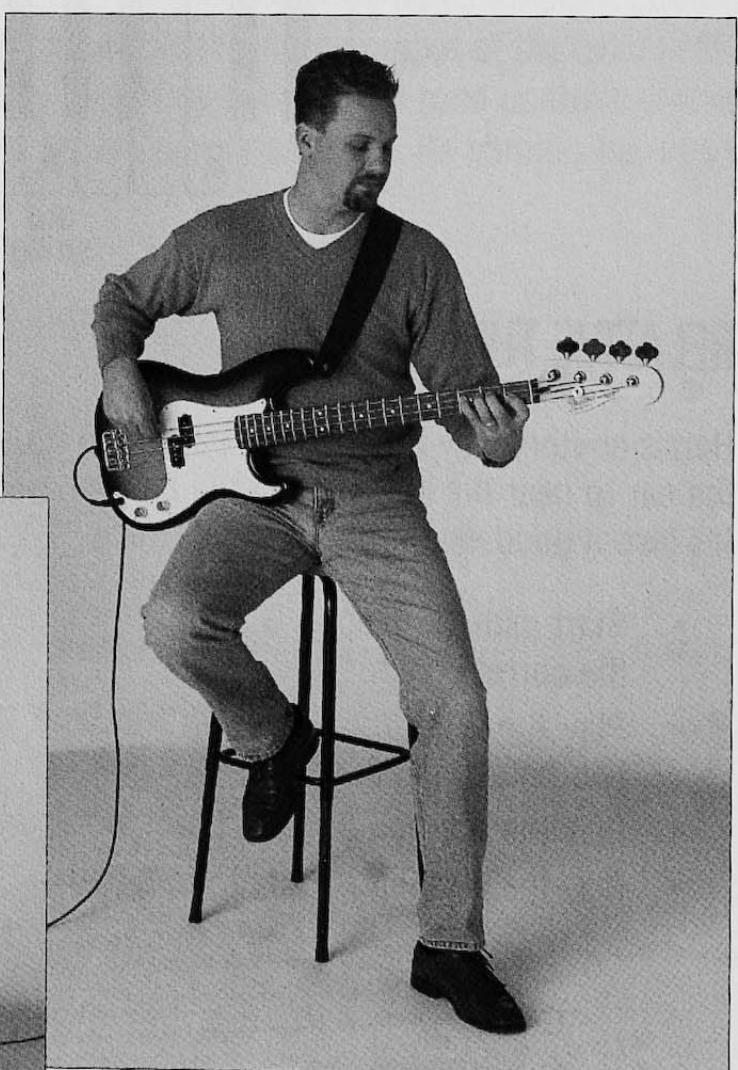
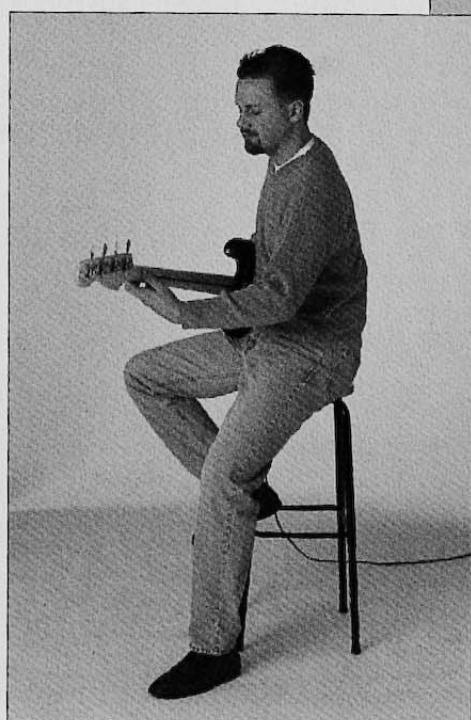
- Buy a comfortable strap between $2\frac{1}{2}$ and 3 inches wide. Leather or woven cotton are good choices. A padded, stretchy neoprene strap will help absorb the weight of the instrument.
- Adjust the strap so that both hands can be comfortable on the bass. With your left arm at your side, bend the elbow, bringing your forearm up. This is your optimal position for the left hand.
- Hold your right arm straight out in front of you at shoulder height, and let the hand hang down naturally. Bend your elbow, and bring your arm in towards your body. That is the optimal position for your right hand.
- Be sure to avoid any extreme bends in either wrist.



TIP: Run the cable under your strap to avoid pulling it out of the jack while standing.

SITTING

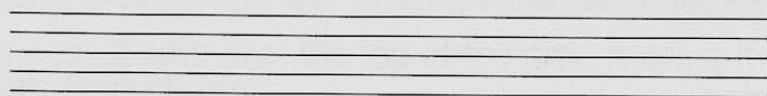
- It's best to use a strap while sitting to keep the instrument at the proper height.
- Without a strap, rest the bass on your right leg. It may help to use a small footstool under your right foot.
- Keep your left arm off your leg.
- Angle the neck slightly away from the body.



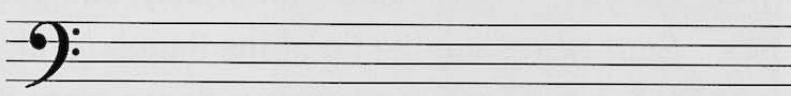
MUSICAL SYMBOLS

Music consists of two basic elements: **rhythm** and **pitch**. Pitch is notated using a set of lines (and spaces) called a staff. The higher a note appears on a staff, the higher its pitch; the lower a note appears, the lower its pitch. At the beginning of the staff is a clef sign. Bass music is written in the bass clef or “F clef.”

STAFF



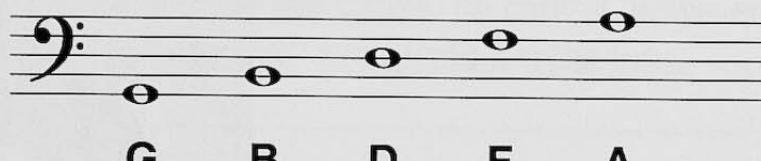
BASS CLEF



The two dots in the clef sign surround the line on which the pitch “F” is written; hence the term “F clef.”

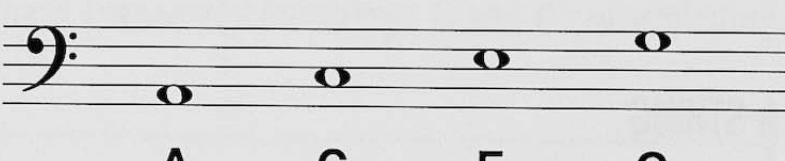
The musical alphabet uses the letters **A, B, C, D, E, F**, and **G**. After G, the sequence repeats starting with A. In bass clef, the notes written on the **lines** of the staff are **G–B–D–F–A**. You can remember this sequence as “Good Boys Do Fine Always.” The notes on the **spaces** are **A–C–E–G**. “All Cows Eat Grass” may help you remember this.

LINES



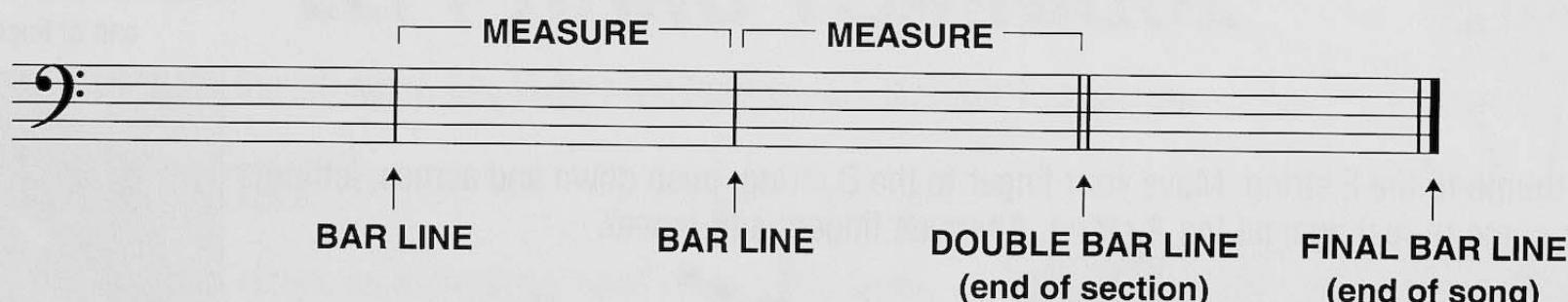
G B D F A

SPACES



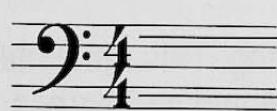
A C E G

Rhythm, the other basic element of music, is notated using **measures** (also known as “bars”), which contain a set number of beats (the pulse of the music). Each measure is separated from the next by a **bar line**. A double bar line is used to show the end of a section of music. The final bar line is used to show the end of a piece of music.



The number of beats in each measure is indicated by the **time signature**, which appears at the start of a piece after the clef sign. The time signature looks like a fraction. The top number tells us how many beats there are in a bar, and the bottom number tells us what type of note is to be counted. Most of the examples in this book will be in 4/4 time.

TIME SIGNATURE



→ four beats per measure

→ a quarter note (♩) gets one beat

In the first part of this book, you will see three different kinds of note values. They are:

NOTE VALUES



QUARTER NOTE = 1 beat

HALF NOTE = 2 beats

WHOLE NOTE = 4 beats

RIGHT-HAND TECHNIQUE

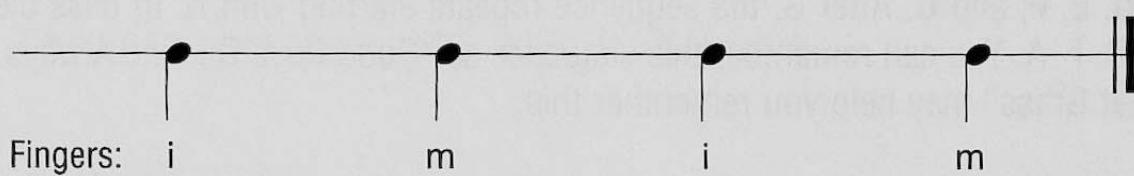
FINGERSTYLE

The most common approach for playing electric bass is fingerstyle—i.e., using the index (i) and middle (m) fingers of the right hand to play the strings. The fingers give you a warm, full sound that can be controlled easily by developing touch sensitivity.

- Let your fingers hang comfortably, straight over the strings; don't curl them.
- Start by resting the tip of the thumb gently on the pickup.
- Using the fleshy pad of your finger, place it on top of the string.

E STRING

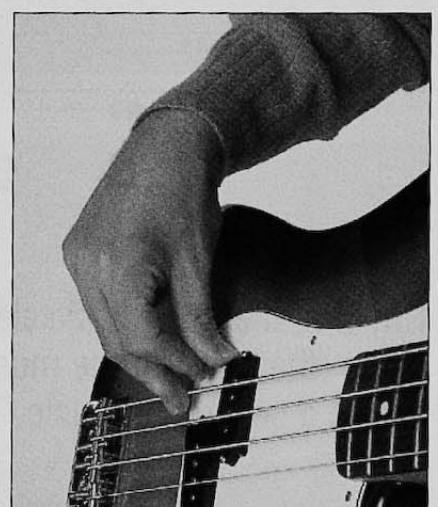
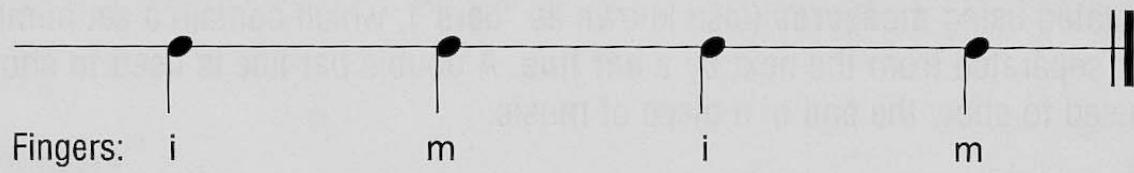
Gently push down and across the top of the E string, letting your finger come to rest against the pad of the thumb. Alternate strokes between the index and middle fingers. Repeat this until you feel comfortable. Play lightly; too much force will give you a distorted sound.



right-hand position

A STRING

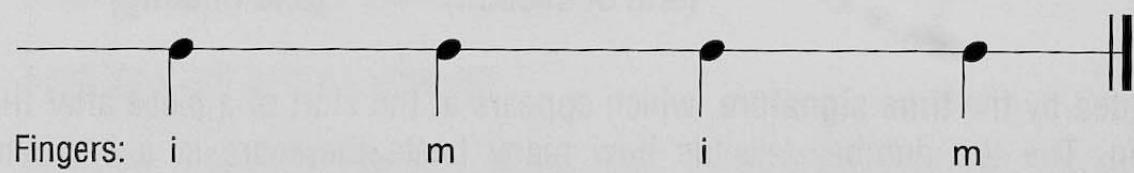
Move your finger to the A string. Push down and across the string, letting your finger come to rest against the E string at the end of the stroke. Alternate fingers; repeat several times.



end of fingerstroke

D STRING

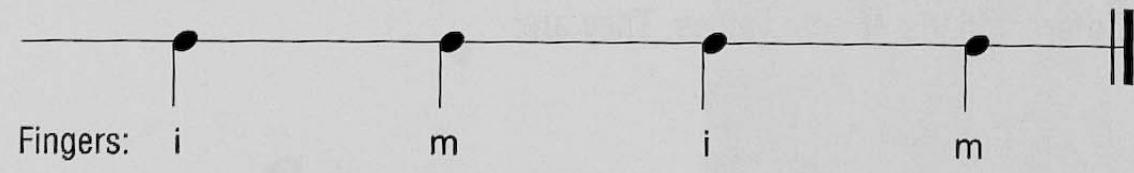
Drop your thumb to the E string. Move your finger to the D string, push down and across, letting your finger come to rest against the A string. Alternate fingers and repeat.



muting the E string

G STRING

Drop your thumb onto the A string, and make it lean against the E string. This mutes both strings to prevent unwanted ringing. Put your finger on the G string. Push down and across the string, letting your finger come to rest against the D string. Alternate fingers and repeat.



muting the E and A strings

TIP: As you alternate fingers, place each finger down for the next stroke just slightly ahead of time, to mute the previous note. This will give you a more controlled bass sound.

PICK STYLE

Pick style produces a clear, distinct sound, and is a very popular technique for playing rock bass. While most bassists tend to use their fingers, pick style is a good skill to have.

The thickness of the pick will affect the tone: A thin pick may be too floppy to produce a strong tone; a heavy pick may not be flexible enough. See what gauge feels right to you.

- Curl your index finger and place the pick on it, letting just the tip stick out.
- Place your thumb over the top of the pick, holding it securely—but not too tightly.
- Make sure the pick is flat against the string; don't use the edge of the pick.
- Rest your pinky against the face of the bass, or on the lower edge of the pickup.

The pick can be used to play **downstrokes** (■) and **upstrokes** (▽). The downstroke has a strong attack and works well for hard rock. Play the previous examples again, this time with a pick, using downstrokes (■). Use a light wrist motion with a little bit of forearm movement.

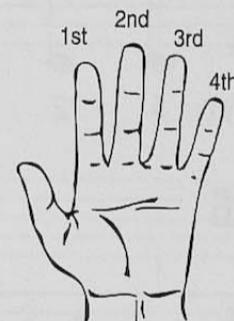


TIP: To get a full sound from each string, make sure the pick connects fully; let the pick “travel through” and come to rest against the next string after the stroke. Be careful, however, not to play too hard (especially on strings D and G); overplaying can make the string “flap out,” producing a weak tone.

NOTE: While you will eventually develop a preference, it's important to play both fingerstyle and pick style to be a well-rounded bassist. Readers are encouraged to learn fingerstyle first—as it presents many unique challenges to the beginning player—and then, at a later time, to try pick style. Any example can be played either fingerstyle or with a pick.

LEFT-HAND TECHNIQUE

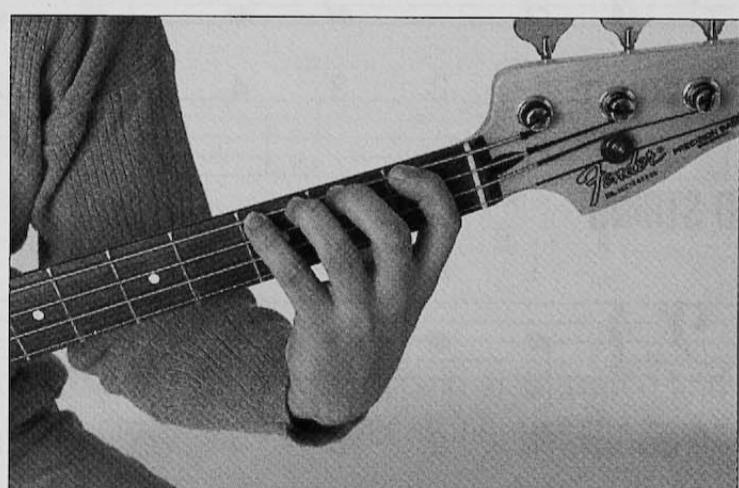
Now it's time to start using the left hand. The fingers are numbered 1 through 4 as shown.



1-2-4 FINGERING SYSTEM

The 1-2-4 fingering system allows us to keep the hand relaxed and comfortable, particularly when playing in the lower regions of the bass where the frets are farther apart. Start with the pad of your thumb in the middle of the neck; make sure it doesn't stick up over the top. The thumb is positioned between the first and second fingers.

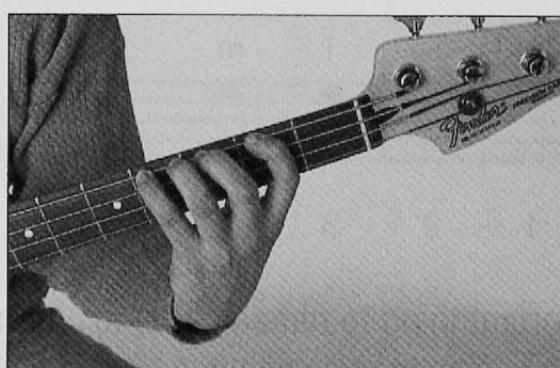
- Place your first finger directly behind the 1st fret of the E string, pressing down lightly.
- Place your second finger on the 2nd fret.
- Place your fourth finger on the 3rd fret.



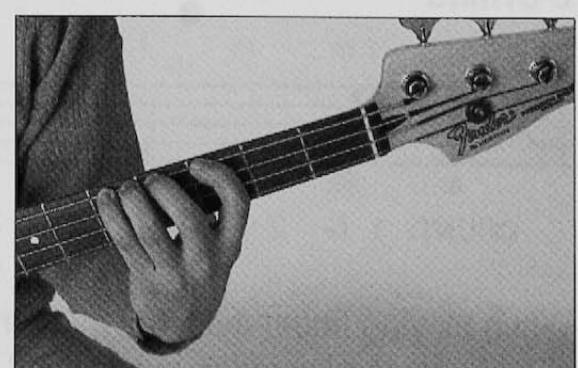
1st position

Notice that we have access to three frets—this is called a **position**. We'll study three playing positions in this book: 1st position (with the index finger at the 1st fret), 2nd position (with the index at the 2nd fret), and 3rd position (index at the 3rd fret).

TIP: Keep your left hand relaxed when you play. Never forcibly stretch your hand or hold a position that feels strained.



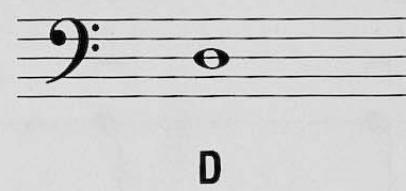
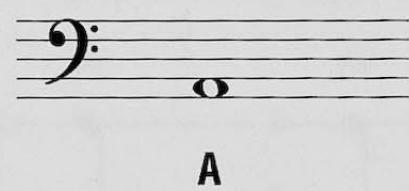
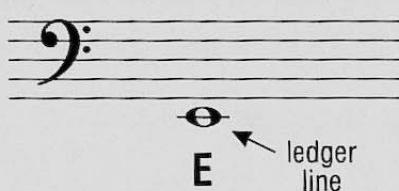
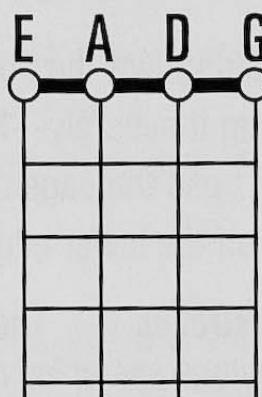
2nd position



3rd position

OPEN-STRING EXERCISES

The following exercises are played on the open strings and will help you with basic rhythms, fingerstyle technique, and crossing the strings. Here are the notes for the open strings as written on the staff.

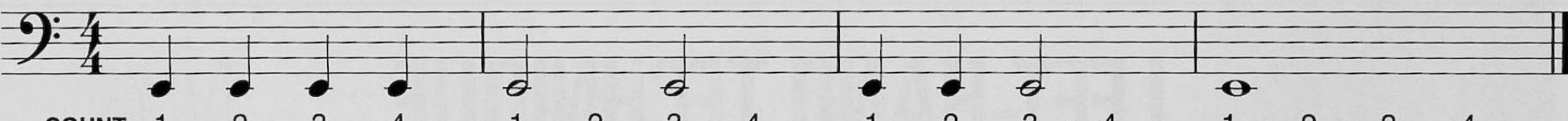


The open E string is written on an added line below the staff, called a **ledger line**.

Each exercise below is played on a single string. Count the rhythms out loud at first, and then play them. As you play, concentrate on alternating between index (i) and middle (m) fingers, as shown.

E STRING

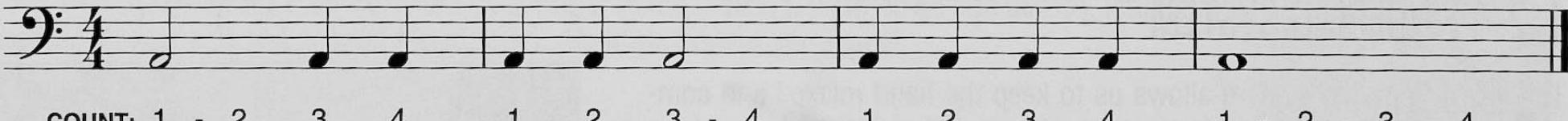
1



COUNT: 1 2 3 4 | 1 - 2 | 3 - 4 | 1 | 2 | 3 - 4 | 1 - 2 - 3 - 4 |

A STRING

2



COUNT: 1 - 2 | 3 | 4 | 1 | 2 | 3 - 4 | 1 | 2 | 3 | 4 | 1 - 2 - 3 - 4 |

D STRING

3



COUNT: 1 | 2 | 3 - 4 | 1 - 2 | 3 | 4 | 1 | 2 | 3 - 4 | 1 | 2 | 3 | 4 |

G STRING

4



COUNT: 1 | 2 | 3 - 4 | 1 - 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 - 4 |

When playing fingerstyle, the most important thing to remember is to alternate fingers. Once you get used to it, this technique allows you to play notes quickly and easily. You may begin your alteration with either finger—index or middle. Try playing the above exercises again, beginning with “m” instead of “i.”

Now let's try playing on more than one string. These exercises move *up* the open strings. Continue to alternate fingers as you move up from one string to the next. Remember to let your fingers "travel through" on each stroke.

5

i m i m i m i m i m i m i m

COUNT: 1 2 3 4 1 2 3 4

6

i m i m i m i m i

COUNT: 1 - 2 3 4 1 - 2 3 - 4 1 - 2 - 3 - 4

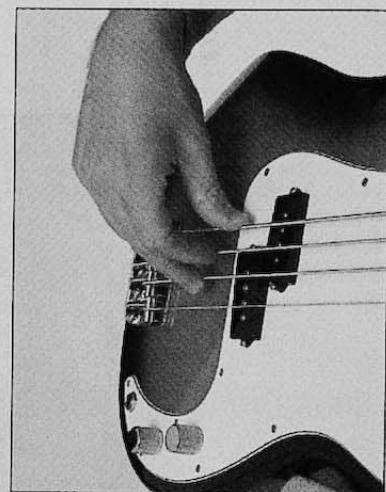
THE RAKE

When moving *down* a string, use the same finger to play both strings—this is called the **rake technique**.

i m m i

rake

The idea is to use as little effort as possible to get from one string to the next. The rake actually helps keep your right hand relaxed as you move down to the lower string.



Try these exercises moving down the open strings. (Use your left hand to mute the higher open strings.)

7

i m i i m m i m m

COUNT: 1 - 2 3 4 1 - 2 3 - 4 1 - 2 - 3 - 4

8

i m i m m i m m m

COUNT: 1 2 3 4 1 2 3 4 1 - 2 - 3 - 4

This example mixes ascending and descending motion through the strings. It starts on "m," but you could also switch and begin with "i." Remember: When crossing to a higher string, alternate fingers; when crossing to a lower string, use the same finger (the "rake technique") on both strings.

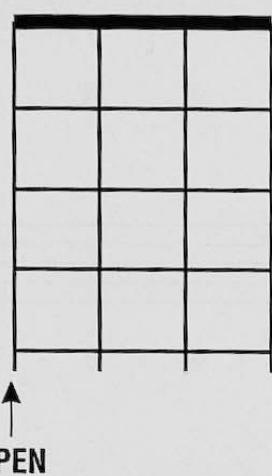
9

m i m i m i m m m

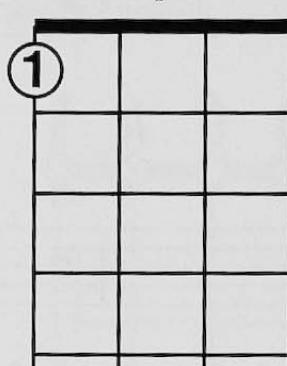
COUNT: 1 2 3 4 1 - 2 3 - 4 1 - 2 - 3 - 4

NOTES ON THE E STRING

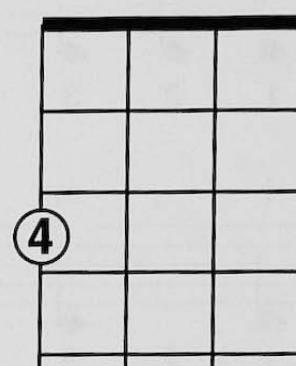
E



F



G



OPEN

Bass clef

E

1st FRET

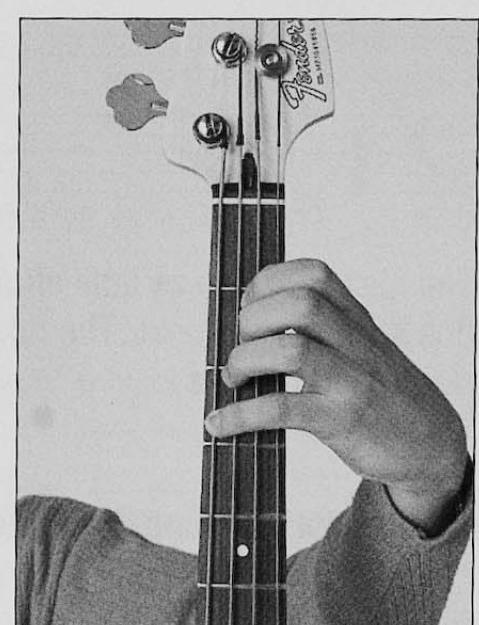
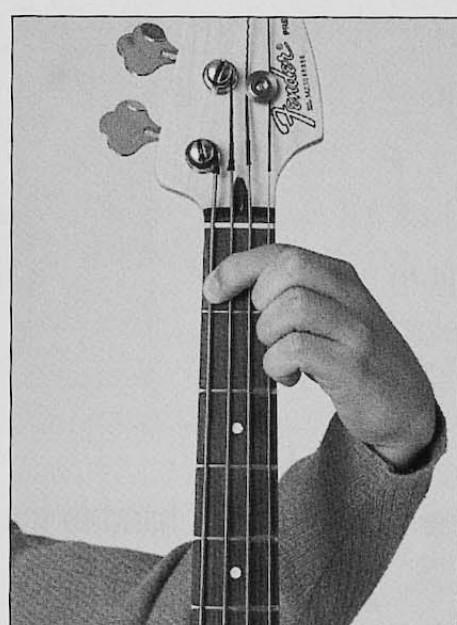
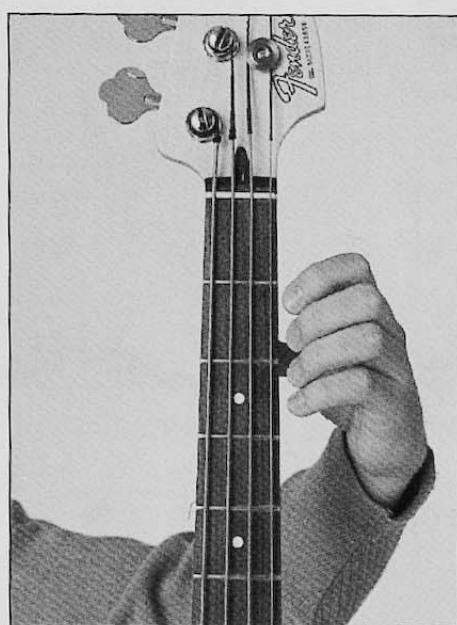
Bass clef

F

3rd FRET

Bass clef

G



These notes are in **1st position**, with the first finger of the left hand on the 1st fret. Here are a few tips:

- Place your finger directly behind (not on top of) the fret.
- Experiment with different amounts of pressure; it takes less than you think.
- Keep each note ringing until you're ready to play your next note.

10

Bass clef

COUNT: 1 - 2 - 3 - 4 1 - 2 - 3 - 4 1 - 2 - 3 - 4 1 - 2 - 3 - 4 1 - 2 - 3 - 4

11

Bass clef

COUNT: 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 3 - 4 1 - 2 - 3 - 4

12

Bass clef

COUNT: 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 - 4

Say the names of the notes out loud while you play, like “E... F... G... F... (etc.)”. Remember to alternate i and m fingers in the right hand as you play.

13

COUNT: 1 2 3 4 | 1 2 3 - 4 | 1 2 3 4 | 1 2 3 4 | 1 - 2 - 3 - 4

This example skips a space when going from E to G.

14

COUNT: 1 - 2 3 - 4 | 1 - 2 3 4 | 1 - 2 3 4 | 1 2 3 - 4

Practice keeping the count going on your own.

15

COUNT: 1 - 2 3 - 4

This next example is 8 measures long. When you reach the end of the first line, continue on to the second line without a pause. The count-off for the track is two measures long: “1... 2... 1, 2, 3, 4...”



LITTLE ROCK

TRACK 2

16

COUNT: 1 2 - 3 4



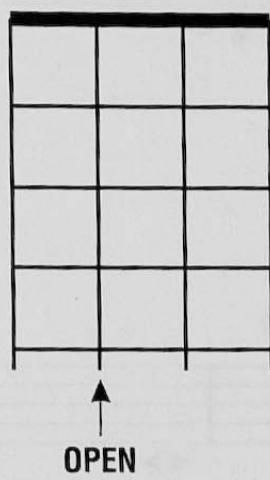
KINDA FOLKY

TRACK 3

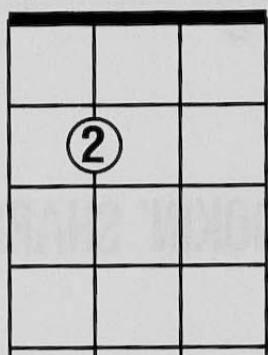
17

NOTES ON THE A STRING

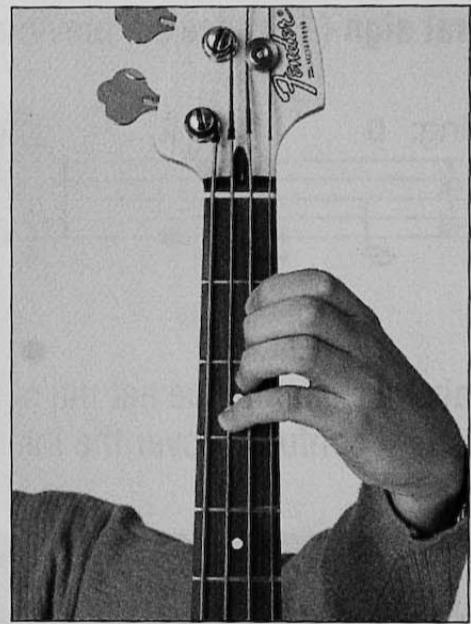
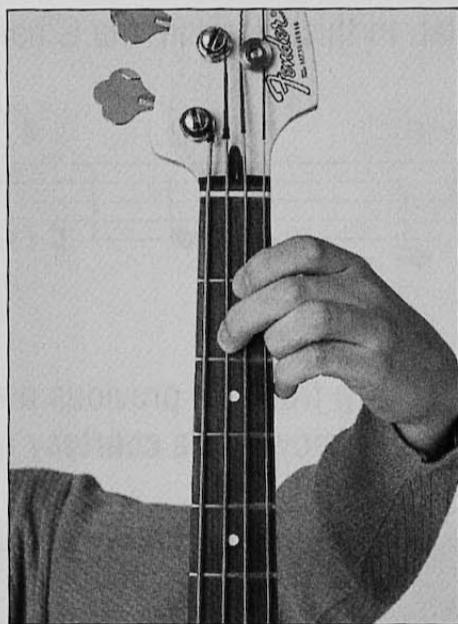
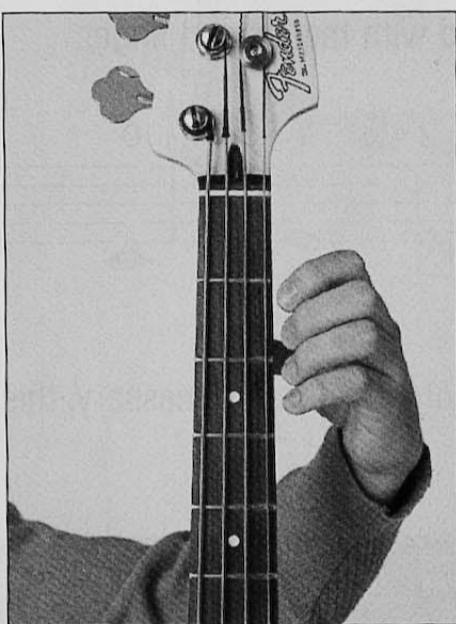
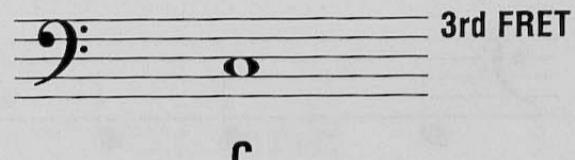
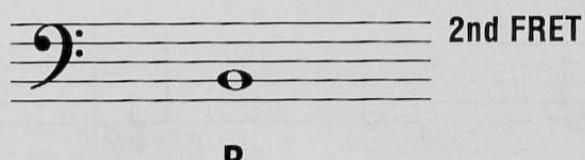
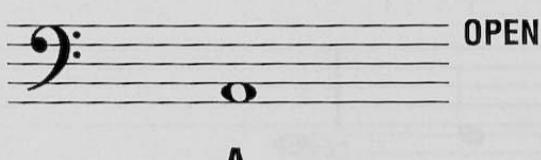
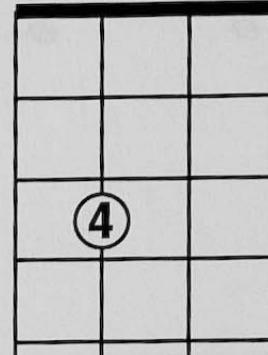
A



B



C



These notes are in 1st position. Remember to say the note names out loud as you play.

24

Musical staff for exercise 24 showing notes A, B, C, D, E, F, G.

25

Musical staff for exercise 25 showing notes A, B, C, D, E, F, G, A.

26

Musical staff for exercise 26 showing notes A, B, C, D, E, F, G, A.

Practice slowly, to get the notes securely under your fingers. When you feel comfortable with an example, gradually increase the speed.



YOU GO, SLAV

TRACK 5

27

REPEAT SIGN

When a section of music needs to be repeated, a **repeat sign** (:||) is used. When you reach the repeat sign, go back to the beginning and play the section again, ending at the last measure.



ONE MORE TIME

TRACK 6

28

The next group of exercises will use notes on the E and A strings. Go back and review the E string notes if you need to. Use the rake technique—marked with an asterisk (*)—when crossing from the A string down to the E string.

29

This exercise adds F# in measure 6. Use the fingering shown. Take the repeat.



CATTLE CROSSING

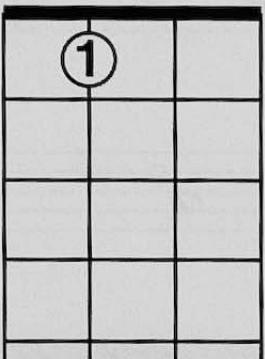
TRACK 7

30

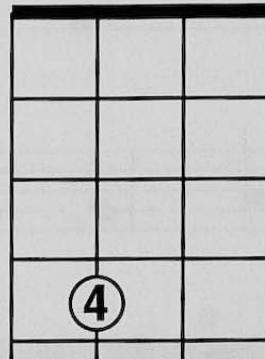
MORE NOTES ON THE A STRING

Just like the E string, the A string has notes that occur in between the natural notes.

A#/B \flat



C#/D \flat



1st FRET

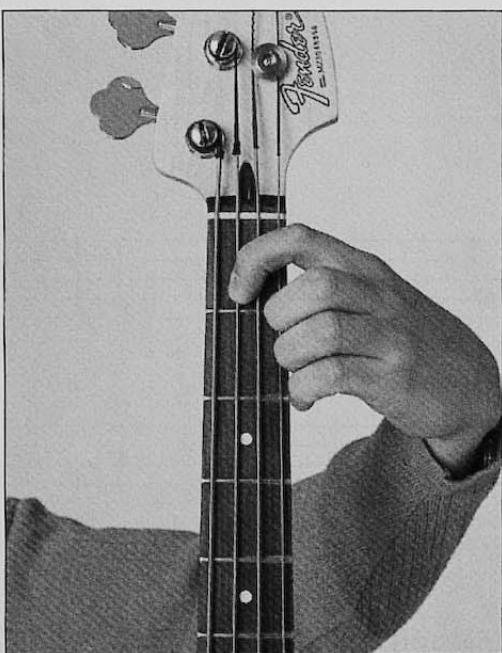
Bass clef staff showing two notes: A \sharp and B \flat . The A \sharp is at the 1st fret and the B \flat is at the 2nd fret.

A \sharp B \flat

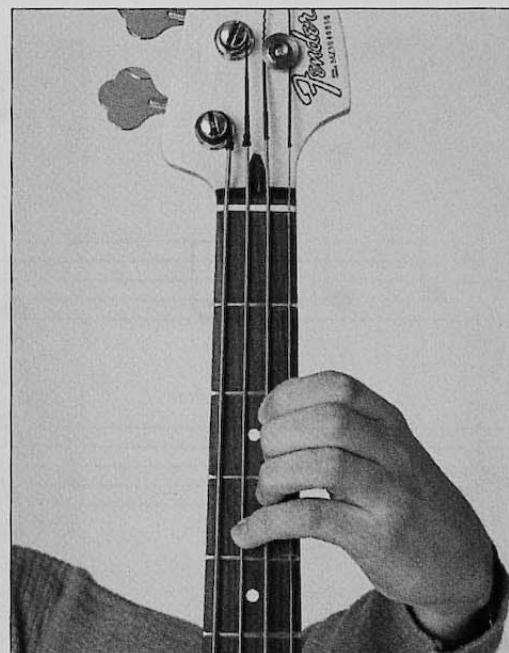
4th FRET

Bass clef staff showing two notes: C \sharp and D \flat . The C \sharp is at the 4th fret and the D \flat is at the 5th fret.

C \sharp D \flat



A \sharp /B \flat is in 1st position



C \sharp /D \flat is in 2nd position

This example uses A \sharp with the first finger. It is in 1st position.

31 FNG: 0 1 2 4 4 2 0 1 0

Musical notation for exercise 31. The staff shows a bass clef, a common time signature, and a key signature of one sharp. The notes are: 0, 1, 2, 4, 4, 2, 0, 1, 0. The first note is on the A string, and the 1st position is indicated by the first finger being down on the 1st fret.

This example is also 1st position; it uses B \flat with the first finger.

32 FNG: 0 2 1 0 4 2 1 0 4 1 0

Musical notation for exercise 32. The staff shows a bass clef, a common time signature, and a key signature of one sharp. The notes are: 0, 2, 1, 0, 4, 2, 1, 0, 4, 1, 0. The first note is on the A string, and the 1st position is indicated by the first finger being down on the 1st fret.

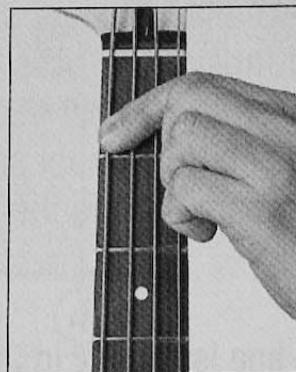
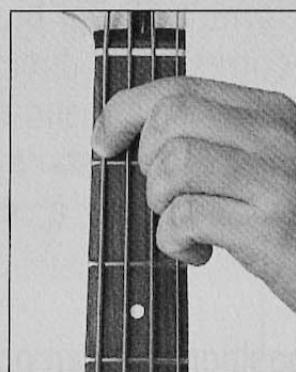
This example is in 2nd position (make sure your first finger is on the 2nd fret).

33 FNG: 0 1 2 4 4 1 0 1 0

Musical notation for exercise 33. The staff shows a bass clef, a common time signature, and a key signature of one sharp. The notes are: 0, 1, 2, 4, 4, 1, 0, 1, 0. The first note is on the A string, and the 2nd position is indicated by the first finger being down on the 2nd fret.

THE FINGER ROLL

A special technique for the left hand is the **finger roll**. This helps you when playing notes on adjacent strings located at the same fret. The goal is to cross smoothly from one string to the next. To do this when moving from a lower to a higher string, play the note on the lower string using the tip of the finger (with the small knuckle slightly bent); then, flatten the knuckle and roll your finger across, playing the note on the higher string with the pad of the finger.



FNG: 1 1 1 1 2 2 2 2 4 4 4 4

This example thoroughly works the finger roll on all fingers. Observe the position shifts indicated.



ROLL IT

TRACK 8

34 FNG: 4 4 4 2 2 2 1 1 1 2 2

This 2nd position exercise has several string crossings (and uses A♭ on the way down from open A). In measures 3 and 4, there are finger rolls between G and C.



ROLLY

TRACK 9

35 FNG: 0 4 1 0 4 2 2 2 2

THE 12-BAR BLUES

Let's play a longer song form, a **12-bar blues**. This is a common progression in rock, jazz, blues, and many other styles of music. The bass line corresponds directly to **chords** that a guitarist or pianist plays. They will be written above each measure so that your teacher or a friend can play along with you. If you examine the bass line, you will see that when the chord symbol says E7, the bass starts the measure with an E; when the chord changes to A7, the bass plays A; etc. You are playing the *root* of the chord, a very important aspect of functional bass playing.

This line is mostly in 2nd position, with an occasional shift down to 1st position. There are only a few fingerings and shift indications written in to help you. Measure 4 has a pattern called a **triad**—three notes that “spell out” the contents of a chord.



TRACK 10

12-BAR BLUES

E7

36

A7

E7

B7

A7

E7

Here is another 12-bar blues. This one changes chords in the 2nd and the 12th measures, a common variation in blues form.



TRACK 11

A LITTLE HEAVY

F#

B

F#

37

B

F#

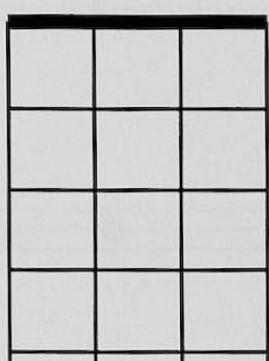
C#

B

F#

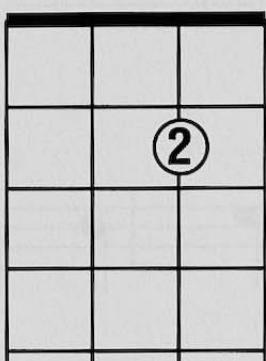
NOTES ON THE D STRING

D



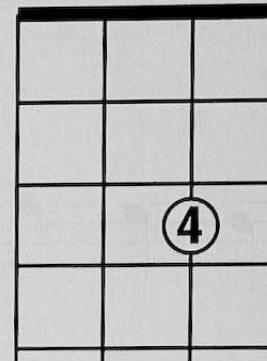
OPEN

E



2

F



4

BASS: OPEN

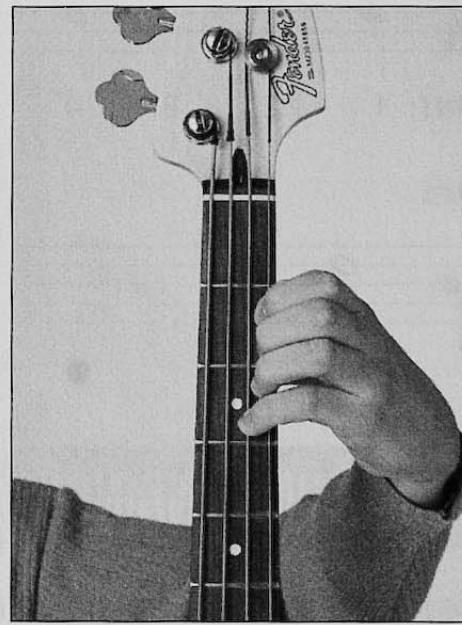
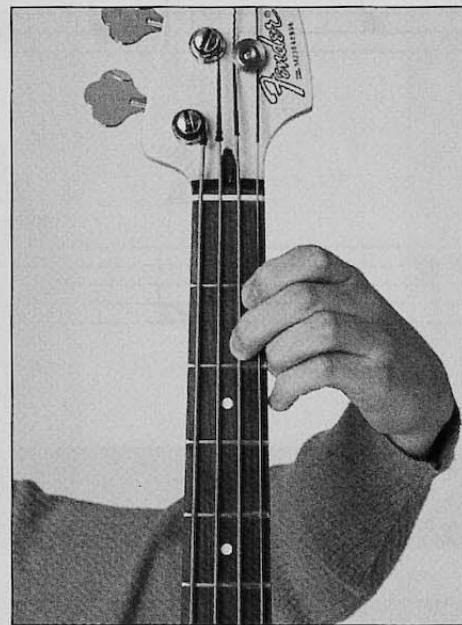
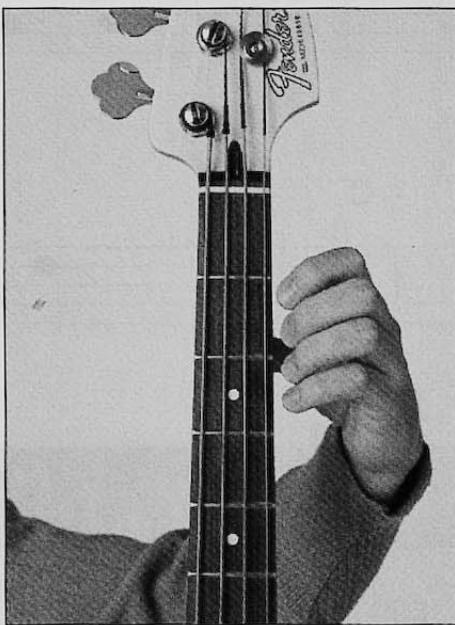
BASS: 2nd FRET

BASS: 3rd FRET

D

E

F



When playing on the D string, remember to drop your right-hand thumb to the E string to keep it muted. Pull straight across with the finger and into the A string. Pick style players: concentrate on your pick accuracy and touch. Don't play the D string too hard.

38

39



TRACK 12

PRIVATE EYE

40

This 1st position example crosses the A and D strings. The chord names are included so others can play along. You are playing the root when each chord changes. The symbol “Dm” is for a D minor chord. **Minor chords** sound dark while **major chords** (without the “m”) sound happy and bright. Listen for the difference. Watch out for the finger roll in the last measure.



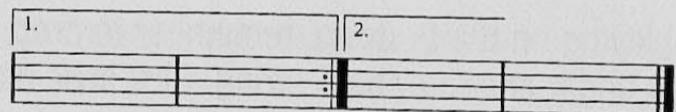
TRACK 13

MINOR LEAGUE

41

1ST and 2ND ENDINGS

The next song has a **1st** and **2nd ending** (indicated with brackets and the numbers “1” and “2”). Play through the 1st ending like a standard repeat sign, and go back to the beginning. The second time through, skip the entire 1st ending and go directly to the 2nd ending section.



This example starts and ends on D; it outlines the sound of the **key** of D. D is the **tonic** or “home base” of the piece. Notice how the bass is not always playing the root when the chords change. You can play other notes that belong to the chord. (This will be explained in depth in Book 2.)



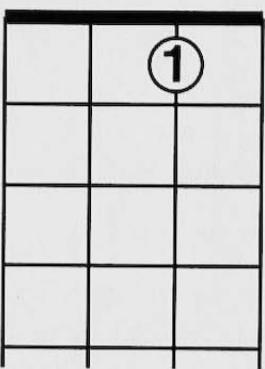
TRACK 14

D-LITE

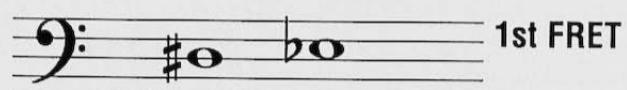
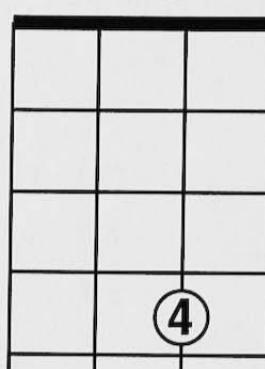
42

MORE NOTES ON THE D STRING

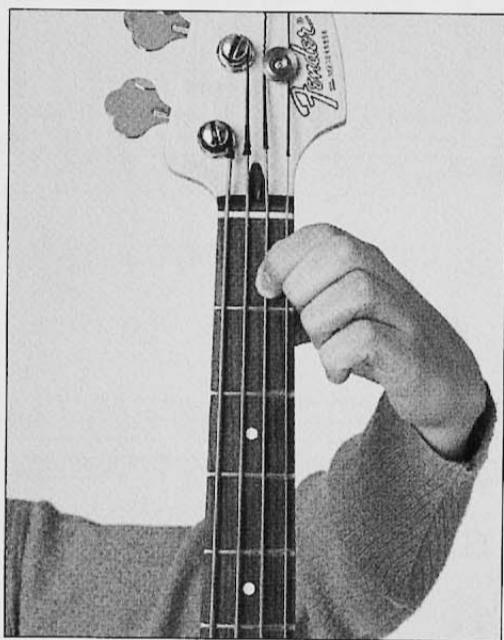
D#/E♭



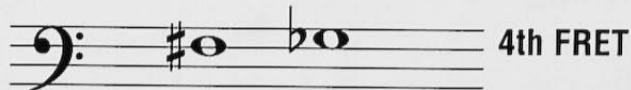
F#/G♭



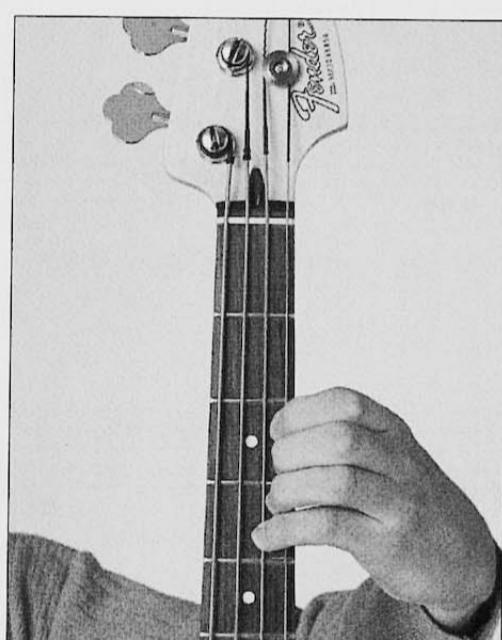
D# E♭



D#/E♭ is in 1st position



F# G♭



F#/G♭ is in 2nd position

43 A musical staff for exercise 43. It starts with a bass clef, a common time signature, and a key signature of one sharp. The notes are: open bass note, bass note with a flat, open bass note, bass note with a sharp, open bass note, bass note with a sharp, open bass note, bass note with a flat, open bass note.

Remember to start in 2nd position.

44 A musical staff for exercise 44. It starts with a bass clef, a common time signature, and a key signature of one sharp. The notes are: open bass note, open bass note, bass note with a sharp, open bass note, open bass note, bass note with a sharp, bass note with a sharp, open bass note.

This example shifts between 1st and 2nd position.

45 A musical staff for exercise 45. It starts with a bass clef, a common time signature, and a key signature of one sharp. The notes are: 0, 1, - shift -, 1, 4, 1, - shift -, 1, 0, 4, 2. Fingerings above the staff indicate: 0, 1, 2, 4, 1, 0, 4, 2.

A continuation of exercise 45. The notes are: 0 - shift - 1, 2, 4, 1, 4, 0 - shift - 2, 1, 0. Fingerings above the staff indicate: 0, 1, 2, 4, 1, 0, 4, 2.

THREE-STRING REVIEW

Here are all the notes you have learned so far. Review each note and solidify your understanding of where it is played on the fingerboard and how it is written on the staff.

D	D#/E♭	E	F	F#/G♭
A	A#/B♭	B	C	C#/D♭
E	F	F#/G♭	G	G#/A♭

D STRING

A musical staff for the D string. It features five notes: D (open), D#/E♭ (with a sharp sign), E (open), F (open), and F#/G♭ (with a sharp sign). The notes are aligned horizontally under their respective letter names.

A STRING

A musical staff for the A string. It features five notes: A (open), A#/B♭ (with a sharp sign), B (open), C (open), and C#/D♭ (with a sharp sign). The notes are aligned horizontally under their respective letter names.

E STRING

A musical staff for the E string. It features five notes: E (open), F (open), F#/G♭ (with a sharp sign), G (open), and G#/A♭ (with a sharp sign). The notes are aligned horizontally under their respective letter names.

This 2nd position example crosses the three strings you've learned so far. Make sure to follow the 1st and 2nd endings.



CROSSIN' THREE

TRACK 15

A musical score titled "CROSSIN' THREE". The score consists of three staves, each with a bass clef and a common time signature (indicated by a "4").

- Staff 1:** Measures 1 through 4. The notes are labeled E, A, D, and A respectively. The notes are positioned such that they cross between the three strings (D, A, E).
- Staff 2:** Measures 5 through 8. The notes are labeled E, A, G, and a repeat sign (double bar line with dots). This section likely represents the "2nd ending" of the piece.
- Staff 3:** Measures 9 through 12. The notes are labeled 2. D, G, A, D, and E. This section represents the "1. D, G" ending mentioned in the staff 2 repeat sign.

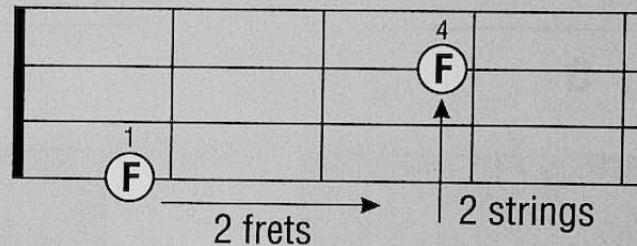
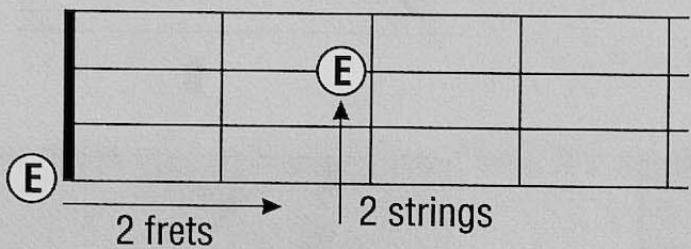
THE OCTAVE

It's time to look at a musical pattern that is very common in bass playing, the "octave." An **octave** is the same note up or down eight letters in the musical alphabet. For instance, the last two notes in the previous example were both E, but one was high, and one was low—that is an octave.

octave								
musical alphabet	E	F	G	A	B	C	D	E
	1	2	3	4	5	6	7	8

The octave follows a physical pattern on the fingerboard. From any note on the E (or A) string, move up 2 frets, and across 2 strings. This pattern is consistent throughout the fingerboard.

Fingering an octave (without an open string) requires you to play the low note with the first finger, and the high note with the fourth finger.



For fingerstyle, use your index finger (i) for the low note of an octave and your middle finger (m) for the higher note.

This example uses the octave shape. For fingerstyle, make sure to drop the right thumb onto the E string when making the jump across to play the D string. This example also shifts up with the first finger to 2nd position. Shifting around the octave shape is a very common practice in bass playing.

Handwritten musical score for guitar tablature, page 47. The score consists of two staves. The top staff shows a bass clef, a common time signature, and a key signature of one sharp. It contains a series of notes with fingerings: FNG: 0, 2, 2, 0, 1, 4, 4, and 1 - shift -. The bottom staff shows a bass clef, a common time signature, and a key signature of one sharp. It contains a series of notes with fingerings: 4, 1, 2, 2, 0, 1, 4, 4, and 1 - shift -. The notes are primarily quarter notes.



OCTA GONE

TRACK 16

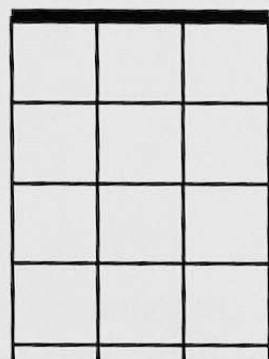
Musical score for FNG: 1 1 4 1 1 4 1 1 4 4 4. The score consists of five measures of bass clef music. Measure 1: 1 (two notes), 1 (one note), 4 (one note). Measure 2: 1 (two notes), 1 (one note), 4 (one note). Measure 3: 1 (one note). Measure 4: 1 (one note). Measure 5: 4 (one note), 4 (one note).

2.

0 1 4 1

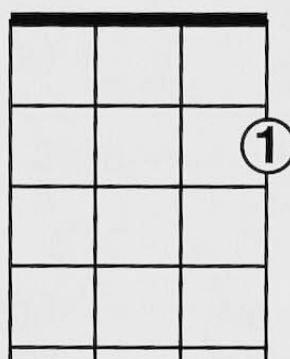
NOTES ON THE G STRING

G



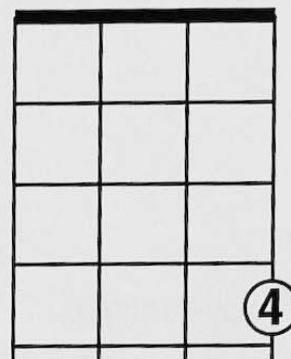
OPEN

A



1

B



4

OPEN

OPEN

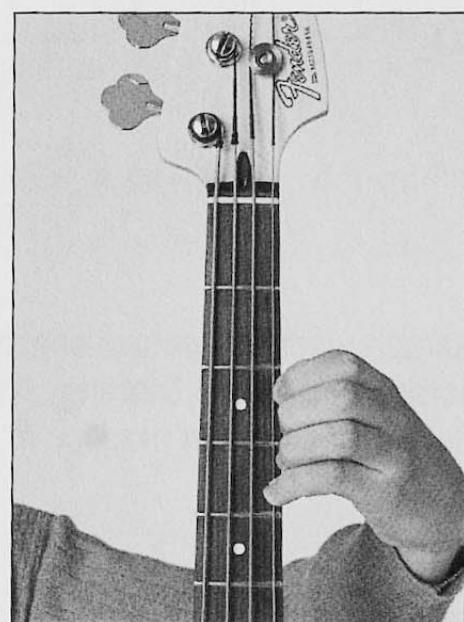
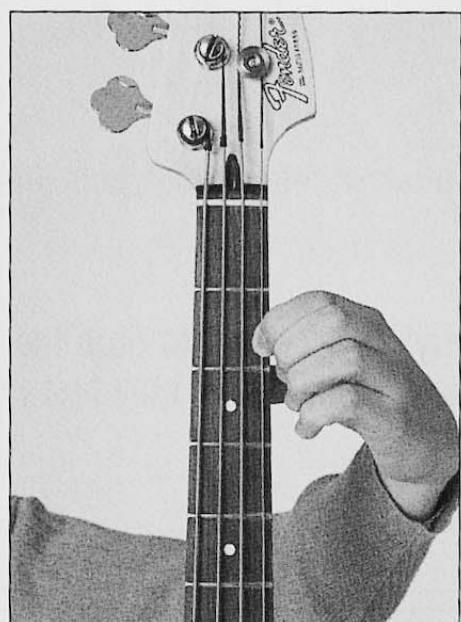
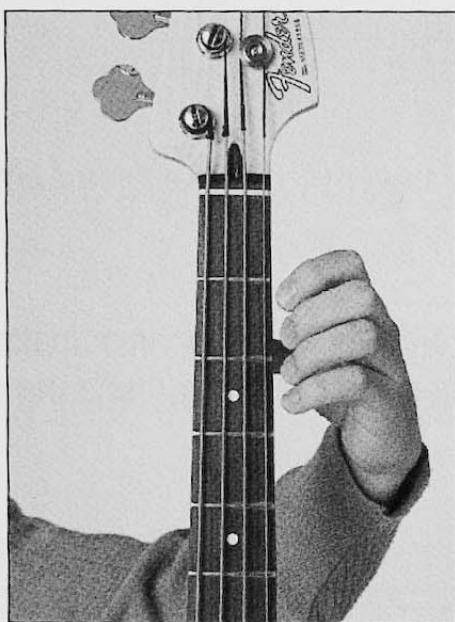
2nd FRET

4th FRET

G

A

B



These notes are in 2nd position.

When playing on the G string, make sure your right thumb drops to the A string (muting the bottom two open strings).

49

50

This example is in 2nd position and crosses over to the D string. Fingerings are written where necessary.



TRACK 17

GEE WHIZ

51

FNG: 0 4 2 1 0 2 4

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 0, 4, 2, 1, 0, 2, 4. Measure ends with a bar line.

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Measure starts with a bar line.

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 1, 0, 4, 4. Measure ends with a bar line.

Now we cross over to the A string. There is a small shift with the 1st finger (indicated simply with “-”) from E to $E\flat$ and back.



TRACK 18

ALL RIGHT

52

FNG: 2 0 1 4

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 2, 0, 1, 4. Measure ends with a bar line.

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 2, 0, 1, 2, 1, 2, 4, 0, 1, - 1, -. Measure ends with a bar line.

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 1, 0. Measure ends with a bar line.

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles.

Now you'll play across all four strings using only the natural notes. Start in 2nd position, and watch for the shifts.

53

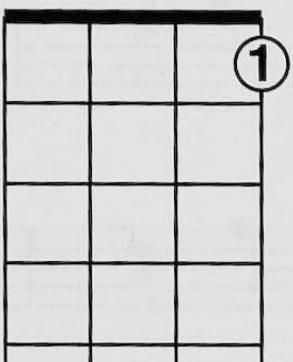
FNG: 0 -shift- 4 1 0

Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 0 -shift- 4, 1, 0. Measure ends with a bar line.

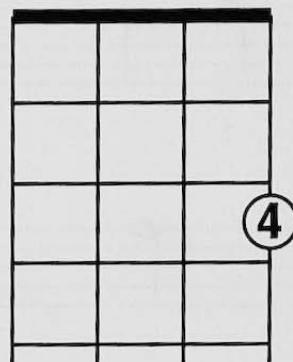
Detailed description: Bass clef staff with 4/4 time signature. Notes are open circles. Fingerings above the staff are 0 - shift - 1, 4.

MORE NOTES ON THE G STRING

G#/A♭



A#/B♭

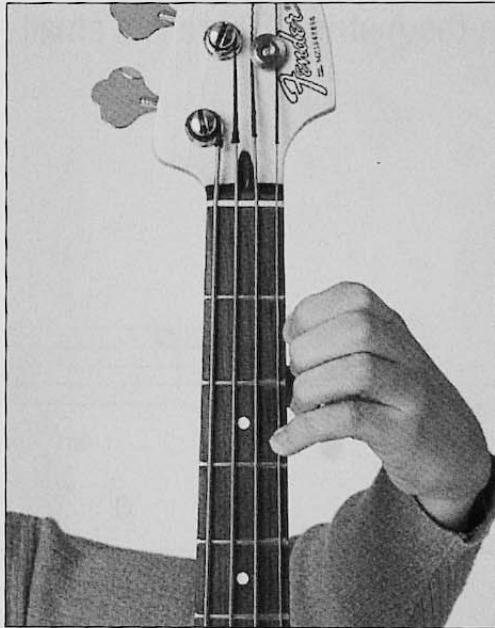
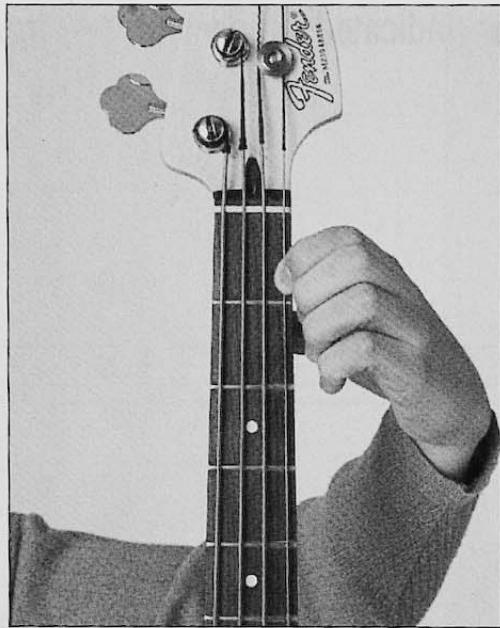


Bass clef: $\text{G}^{\#}$ A^{\flat}

1st FRET

Bass clef: $\text{A}^{\#}$ B^{\flat}

3rd FRET



G#/A♭ and A#/B♭ are in 1st position.

54

Bass clef: $\text{G}^{\#}$ A^{\flat} $\text{G}^{\#}$ A^{\flat} $\text{G}^{\#}$ A^{\flat} $\text{G}^{\#}$ A^{\flat} $\text{G}^{\#}$ A^{\flat}

This one begins in 2nd position, and then shifts between 1st and 2nd (shifts are indicated with a dash "-").

55

FNG: 4 $\text{G}^{\#}$ A^{\flat} $\text{G}^{\#}$ A^{\flat} 2 $\text{G}^{\#}$ A^{\flat} 1 $\text{G}^{\#}$ A^{\flat} 2 $\text{G}^{\#}$ A^{\flat} 4 $\text{G}^{\#}$ A^{\flat} 1 - 1 $\text{G}^{\#}$ A^{\flat} 1 $\text{G}^{\#}$ A^{\flat} 0 $\text{G}^{\#}$ A^{\flat} 2 $\text{G}^{\#}$ A^{\flat}

0 $\text{G}^{\#}$ A^{\flat} 1 $\text{G}^{\#}$ A^{\flat} 1 $\text{G}^{\#}$ A^{\flat} 2 $\text{G}^{\#}$ A^{\flat} 4 $\text{G}^{\#}$ A^{\flat} - 4 $\text{G}^{\#}$ A^{\flat} 1 $\text{G}^{\#}$ A^{\flat} 1 $\text{G}^{\#}$ A^{\flat} 0 $\text{G}^{\#}$ A^{\flat}

Time for more practice playing across all four strings. This is mostly 2nd position, with one note in 1st position.



TRACK 19

ALL FOUR ONE

56

E A D G

E A D G

E A D 1 - 1 G 4 E

This one is in 1st position, and uses F as the tonic. There is one shift to 2nd position; fingerings are indicated.



TRACK 20

F/X

57

F B^b E^b B^b

F B^b E^b B^b

F B^b E^b B^b F

G major is the tonic. Start in 1st position, but shift in the 6th measure. Use the open D string to move to 2nd position.

58

FNG: 4 0 1 2

4 0 - 1 4 0 1 4 0

MORE OCTAVES

Playing across all four strings, there are more octave shapes available. Here are the new octaves you can play between the A and G strings. Remember that A♯ and B♭ are enharmonic equivalents.

FNG: 0 2 1 4 1 1 4 1 4

59 1st POSITION -----| 2nd POSITION

Now let's use all the octaves you've learned so far. The shifts are indicated with a dash “-”.

FNG: 0 2 1 4 1 0 2 1 4 1 -

60

1 4 1 4 1 - 1 1 4 1 0

Because both notes of an octave are the same letter, they can both be considered the root of a chord. On an E chord, for example, both low and high E are the root. Understanding this concept will help you to create your own bass lines.

This 12-bar blues uses the octave on each chord for the bass line. The chords are “seventh chords” (E7, A7, and B7). They are a different type of chord than you've seen, but for now the important thing is to play the root (E, A, and B).

Begin in 1st position; for the B7 chord, shift up to 2nd position. Remember, when playing octaves fingerstyle, the lower note of the octave can be muted with the thumb as you move up to play the higher note on the A or D string. As a general rule, use your middle finger (m) when jumping to the higher note, and your index finger (i) when jumping back down to the low octave.



TRACK 21

OCTAVE BLUES

E7

61

E7

A7

E7

E7

B7

A7

E7

B7

FNG: 1 4 1 - 0 2 0

32

TIES

A **tie** connects two notes of the same pitch. It is used to extend the note value across a bar line, or sometimes within a measure. Play the first note, and hold it for the combined value of both notes.

COUNT: 1 - 2 [3 - 4 - 1] 2 [3 - 4 - 1 - 2] 3 [4 - 1 - 2 - 3 - 4]

3 BEATS 4 BEATS 5 BEATS

62

COUNT: [3 - 4 - 1] [4 - 1]

[3 - 4 - 1 - 2] [4 - 1 - 2]

In this example, some of the chords change on the first beat of a tie. The key is B minor; notice the darker quality of the song.



TAIWAN ON

TRACK 22

63

Bm E Bm G

4 - 1 - 2 4 - 1

G A Bm G

1 - 2 - 3 - 4 - 1 4 - 1 - 2 4 -

F#7 Bm

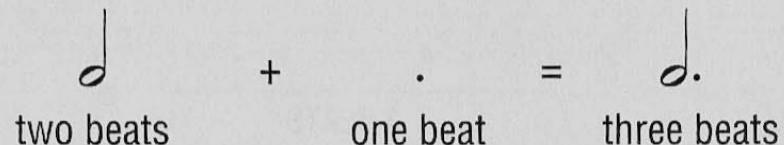
1 - 2 4 - 1

3/4 TIME & THE DOTTED HALF NOTE

3/4 time has three beats per measure, and the quarter note receives one count.

3 → three beats per measure
4 → a quarter note (♩) gets one beat

A **dot** after a note extends the note's duration by one-half. A **dotted half note** equals 3 beats.



A musical staff in 3/4 time. The first six measures show a pattern of eighth notes and sixteenth notes. The counts are indicated below the staff: COUNT: 1 2 3 1 2 - 3 1 - 2 3 1 - 2 - 3. Measures 7 through 12 continue this pattern. A double bar line follows measure 12.

A musical staff in 3/4 time. The notes are: dotted half note, ♯ half note, dotted half note, ♯ half note, ♯ half note, ♯ half note. A double bar line follows.

A musical staff in 3/4 time. The notes are: half note, half note, ♪ half note, ♪ half note, ♪ half note, ♪ half note. A double bar line follows.

This has a country waltz feel, and the tonic is C.



THREE'S A CROWD

TRACK 23

A musical staff in 3/4 time. The notes are: dotted half note, half note, half note, half note, half note, half note. A double bar line follows.

A musical staff in 3/4 time. The notes are: half note, half note, half note, ♪ half note, ♪ half note, ♪ half note. A double bar line follows.

A musical staff in 3/4 time. The notes are: ♪ half note, ♪ half note. A double bar line follows.

A musical staff in 3/4 time. The notes are: ♪ half note, ♪ half note. A double bar line follows.

This example is a gospel-flavored tune. The tonic is F.



TRACK 24

TELL IT

66

F C B \flat F B \flat

F C 1. 2. Dm

C F B \flat F

C F B \flat C B \flat

F B \flat C F

This piece changes time signatures from 3/4 to 4/4. Count your way through—it's easier than it looks, and it's fun. (Hint: Keep your foot tapping on every quarter note!)



TRACK 25

CHANGIN' TIMES

67

3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3

COUNT: 1 - 2 - 3

1 2 3 4 1 2 3 4 1 2 3 4 1 2 3

RESTS

Rests are spaces, or silences, in the music, and have specific durations just like notes. In fact, for every note value, there is a corresponding rest of equal value.

WHOLE REST	HALF RESTS	DOTTED HALF REST	QUARTER RESTS
1 - 2 - 3 - 4	1 - 2 3 - 4	1 - 2 - 3	1 2 3 4

It's important to make sure your notes are not still ringing during a rest. Mute the string with your right or left hand, whichever is most convenient.

68
 COUNT: 1 2 3 4 1 - 2 3 4 1 2 3 4 1 2 3 - 4 1 2 3 - 4 1 2 3 4

Although the count is written out only for the first line, keep counting on your own for lines 2–4. Make sure to hold the quarter notes for their full note value.



ROCK 'N' REST

TRACK 26

69
 COUNT: 1 2 3 4 1 2 3 - 4 1 2 3 4 1 2 3 - 4

*N.C. G A N.C. G A

*N.C. = No chord

N.C. G A B D E

D.C. al FINE

The marking **D.C. al Fine** is short for “Da Capo al Fine,” an Italian phrase meaning, “From the beginning until the end.” When you see this marking in a piece of music, go back to the beginning (or “head”) of the piece and resume playing until you reach the **Fine** marking (the “end”), and then stop.

This piece has a jazz-waltz feel. Count through the rests and ties. Note that the root is not always played on each chord.



THREE PLAY

TRACK 27

MARK 27
70
 G E♭ F G Cm F
 COUNT: 1 2 3 1 2 3
 B♭ A m D G 1. D
 Fine 3 1 2 - 3
 2. F B♭ F Dm D
 1 - 2 - 3 - 1 - 2 3
 D.C. al Fine
 G C Cm D
 1 2 3

This time, take the D.C. and play the 1st ending back to the beginning; the Fine is the 2nd ending.

71

COUNT: 1 2 3 4 1 2 3 4

1. 1 2 3 4 1 2 3 4

2.

Fine

D.C. al Fine
(take repeat)

EIGHTH NOTES

When you divide a quarter note in half, you get two **eighth notes**. Eighth notes are written separately with flags, or in groups of two or more with beams.



In 4/4 and 3/4 time, there are two eighth notes per beat. To count eighth notes, we use the word “and,” like this: “1 & 2 & 3 & 4 &.” The numbers are called **downbeats**, and the “ands” are called **upbeats**.

A musical staff in bass clef and 4/4 time. It contains eight eighth notes grouped by a vertical bar line. Below the staff is a counting chart: COUNT: 1 + 2 + 3 + 4 + (and).

For fingerstyle playing, continue alternating index and middle fingers when playing eighth notes. For pick style playing, alternate downstrokes with upstrokes. Use downstrokes (■) on the downbeats and upstrokes (▽) on the upbeats.

Play the following exercise slowly at first. Count aloud, tapping your foot on the downbeats. Keep the count going for yourself on the 2nd and 3rd lines. Then try it again, reversing the fingerings (start with “m”).

72A

Three staves of musical notation for Exercise 72A. The top staff shows eighth notes with fingerings 'i m i m i m'. The middle staff shows 'm i m i m i m i'. The bottom staff shows 'm i m i m i m i m i'.

Here's the same exercise played pick style.

72B

Three staves of musical notation for Exercise 72B, pick style. The top staff uses downstrokes (■) and upstrokes (▽). The middle staff shows 'm i m i m i m i m i'. The bottom staff shows 'm i m i m i m i m i'.

For additional practice, try playing each measure individually in a repetitive loop (you'll need to adjust the right-hand fingerings if playing fingerstyle). Add one measure at a time, and eventually play through the entire exercise.

This tune combines eighth notes with moving lines. Practice keeping the eye moving ahead fast enough to follow the notes. Make sure to count through the rests.



TRACK 28

MOVIN' 8'S

73

COUNT: 1 2 + 3 4 + 1 + 2 3 + 4 1 + 2 + 3 4 1 2 3 + 4 +

This is in 1st position. F is the tonic or key. Watch for the finger roll with the fourth finger in the last measure.

74

Notice the use of a consistent idea here; it contributes to a solid bass line. Repetition in the bass part gives a song a feeling of stability and a sense of character.



TRACK 29

EIGHT BALL

75

COUNT: 1 + 2 + 3 - 4

2.

D.C. al Fine
(take repeat)

EIGHTH RESTS

An **eighth rest** takes up the same amount of space as an eighth note. Eighth rests can occur on a downbeat or an upbeat.

EIGHTH RESTS

A musical staff in bass clef with four measures. Each measure contains an eighth rest followed by a quarter note. Below the staff is a counting pattern: 1 + 2 + 3 + 4 +. The first measure starts with a downbeat (rest), and the second measure starts with an upbeat (rest).

EIGHTH NOTES AND RESTS

A musical staff in bass clef with four measures. The first measure has a quarter note followed by an eighth note. The second measure has an eighth note followed by a quarter note. The third measure has an eighth note followed by an eighth rest. The fourth measure has a quarter note followed by an eighth note. Below the staff is a counting pattern: 1 + 2 + 3 + 4 +.

Play this example slowly. Tap your foot on the downbeats, and keep counting out loud through the second line. Practice each measure of this exercise separately until you get comfortable with the feel of it, then string them all together. Fingerstyle, continue to alternate index and middle fingers. Pickstyle, keep downstrokes on downbeats and upstrokes on upbeats.

76

A musical staff in bass clef with four measures. The notes are eighth notes. Below the staff is a counting pattern: COUNT: 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 +.

A continuation of the musical staff from Exercise 76, showing the rhythm pattern continuing across multiple measures.

A continuation of the musical staff from Exercise 76, showing the rhythm pattern continuing across multiple measures.

This example uses a two-measure rhythmic pattern to create a consistent feel. There is a slight variation in measure 7.



ROK GRUV

TRACK 30
SLOW/FAST

77

A musical staff in bass clef with four measures. The notes are eighth notes. Below the staff is a counting pattern: COUNT: 1 + 2 + 3 4 1 + 2 + 3 4. The pattern is labeled E, A, E, B.

A continuation of the musical staff from Exercise 77, showing the rhythm pattern continuing across multiple measures.

Here is a cool feel. The “and” of beat 2 gets emphasized.



BOP BOP

TRACK 31
SLOW/FAST

78

A musical staff in bass clef with four measures. The notes are eighth notes. Below the staff is a counting pattern: COUNT: 1 + 2 + 3 - 4 1 + 2 + 3 - 4. The pattern is labeled B, E.

A continuation of the musical staff from Exercise 78, showing the rhythm pattern continuing across multiple measures.

D.C. al CODA

Like "D.C. al Fine," this marking tells you to return to the beginning of the piece. But "al Coda" indicates that you jump to the coda or "tail" section when you reach the appropriate marking. Here is an example with numbered instructions.

1) Play through piece
3) "D.C." (the top)
4) skip from here
To Coda \oplus
2) return to top
D.C. al Coda
5) to here \longrightarrow \oplus Coda
6) the end

The musical example shows a bass line in 4/4 time. It starts with a repeat sign, followed by a section labeled '1) Play through piece'. Then it goes to '3) "D.C." (the top)'. At the end of this section, there is a 'To Coda' instruction with a circled plus sign (\oplus). From this point, the music continues with '4) skip from here' and '2) return to top' instructions. The bass line then reaches a section labeled '5) to here' with an arrow pointing to another circled plus sign (\oplus) followed by 'Coda'. Finally, it ends with '6) the end'.

Pay attention to the form of this piece: 1) Take the repeat sign to the top, 2) play through to the second half of the song, 3) follow the D.C. al Coda back to the top, and, 4) at the coda sign, skip to the bottom of the page and play the coda measure.



CODA PENDANT

TRACK 32

79 E A B A
E A G A B To Coda \oplus
C G C G D.C. al Coda (no repeat)
C G B \flat G A
 \oplus Coda E

The musical score for 'CODA PENDANT' is in 4/4 time. It consists of four staves of bass notation. The first staff starts with 'E' and includes measures for 'A', 'B', and 'A'. The second staff starts with 'E' and includes measures for 'A', 'G', 'A', 'B', and ends with a 'To Coda' instruction followed by a circled plus sign (\oplus). The third staff starts with 'C' and includes measures for 'G', 'C', and 'G'. The fourth staff starts with 'C' and includes measures for 'G', 'B \flat ', 'G', 'A', and ends with a 'D.C. al Coda (no repeat)' instruction. The final staff begins with a circled plus sign (\oplus) followed by 'Coda' and 'E'.

Staying on the root and "pumping out" eighth notes is a classic approach in rock bass playing. Pick style players may want to try the above song again, using all downstrokes (■). This option will give you a heavier sound than alternate picking (down-strokes and upstrokes) and is useful for some songs and styles.

The form of this piece is the same as the previous example, but now the first half of the song is called the A section, and the second half, the B section. These **rehearsal letters** make it easier to keep your place in longer songs and are a handy reference point when talking to other musicians.



TRACK 33

DEE DEE

A

D

G

A

80

Bass line for measure 1. The bass starts on D, followed by two eighth-note pairs (A, D), then a sixteenth-note pair (D, G), and a sixteenth-note pair (G, C). The measure ends with a fermata over the last note. Below the notes are the numbers 1, 2 + 3 + 4.

D

Bm

A

G

To Coda \oplus

Bass line for measure 2. The bass starts on D, followed by two eighth-note pairs (A, D), then a sixteenth-note pair (D, G), and a sixteenth-note pair (G, C). The measure ends with a fermata over the last note. Below the notes are the numbers 1, 2 + 3 + 4.

B Am

C

Am

G

Bass line for measure 3. The bass starts on Am, followed by two eighth-note pairs (C, G), then a sixteenth-note pair (G, C), and a sixteenth-note pair (C, G). The measure ends with a fermata over the last note. Below the notes are the numbers 3 + 4 + 1.

Am

C

Em

A

D.C. al Coda

Bass line for measure 4. The bass starts on Am, followed by two eighth-note pairs (C, G), then a sixteenth-note pair (G, C), and a sixteenth-note pair (C, G). The measure ends with a fermata over the last note. Below the notes are the numbers 3 + 4 + 1.

\oplus Coda

D

Coda section. The bass starts on D, followed by a sixteenth-note pair (D, G), and a sixteenth-note pair (G, C). The measure ends with a fermata over the last note.

This 3/4 example uses ties within the measure.

81

Bass line for measure 1. The bass starts on D, followed by two eighth-note pairs (A, D), then a sixteenth-note pair (D, G), and a sixteenth-note pair (G, C). The measure ends with a fermata over the last note. Below the notes are the numbers 1 - 2 + 3.

Bass line for measure 2. The bass starts on D, followed by two eighth-note pairs (A, D), then a sixteenth-note pair (D, G), and a sixteenth-note pair (G, C). The measure ends with a fermata over the last note. Below the notes are the numbers 1 - 2 + 3 +.

USING A METRONOME

An important aspect of bass playing is keeping a steady tempo. A **metronome** will help you do this. Use an electronic or battery-powered model. First, learn an exercise slowly, and make sure you can play it correctly. Then, use a metronome to develop your tempo.

- Set your metronome to a slow tempo—50 beats per minute (bpm), for example.
- Let the click become the quarter-note pulse. Count along with it, “1, 2, 3...”
- Look at the exercise without the bass, and practice reading along with the click (e.g., “G, A, B...”).
- Pick up your bass and read through the exercise with the click. Do your best to stay with the tempo.
- As you get more comfortable with the click, gradually speed up the tempo.

THE CLASSIC RHYTHM

The **dotted quarter/eighth note** combination (the “classic rhythm”) is one of the most common in bass playing. Remember, a dot adds one half the value of whatever note it sits next to. A *dotted quarter note* equals the value of three eighth notes ($\text{♩} = \text{♪} + \text{♪}$). The classic rhythm is commonly used in one of two variations, and can be applied to many styles of music.

COUNT: 1 + 2 + 3 + 4 +

COUNT: 1 + 2 + 3 - 4

Practice the rhythm slowly, and count out loud. Once familiar with it, use a metronome clicking quarter notes.

82

COUNT: 1 + 2 + 3 - 4 1 + 2 + 3 + 4 + 1 - 2 3 + 4 + 1 2 3 + 4 +

Now use the classic rhythm with a moving line. Keep counting through the second line.

83

COUNT: 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 +

Now we start to add occasional eighth notes to the line. They add interest but keep the feel consistent.



DOWN HOME

TRACK 34

Musical score for bass line, measure 84. The score shows a bass clef, a 4/4 time signature, and a key signature of one sharp (F#). The lyrics are "G Em C". The bass line consists of eighth notes and sixteenth notes. The count is indicated as 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4 + 1 + 2 + 3 + 4.

A musical staff in bass clef. The first measure (G) has two eighth notes. The second measure (F) has three eighth notes. The third measure (C) has two eighth notes. The fourth measure (D) has four eighth notes.

A musical score for a bassoon part. The score consists of a single staff with ten measures. The key signature changes every two measures, indicated by labels above the staff: Em, C, Am, D, and G. The bassoon plays eighth-note patterns, primarily consisting of eighth-note pairs and sixteenth-note figures. Measures 1-2: Em (two eighth-note pairs). Measure 3: C (two eighth-note pairs, followed by a sixteenth-note figure). Measure 4: Am (one eighth note, one sixteenth note). Measure 5: D (one eighth note, one sixteenth note). Measure 6: G (one eighth note, one sixteenth note).

This one uses the classic rhythm in a bluesy, R&B style.



TRACK 35

RAITT ON

85

A F F7 B^b G

COUNT: 1 + 2 + 3 - 4 1 + 2 + 3 - 4 1 + 2 + 3 - 4 1 + 2 + 3 4

C A7 Dm G C7

1 + 2 + 3 + 4 +

B B^b7 F7 B^b7 G7 C7

F F7 B^b C7 F

Playing the classic rhythm with octaves is tricky at first. Practice your string crossing. Notice how the 1st ending line leads back to the top, and the 2nd ending line leads to the B section. Make sure to follow the form correctly.



TRACK 36

MINOR'S TALE

86

A Am Em

Am C To Coda F 1. || 2.

B C G F C F

C G F C G E7 D.C. al Coda (no repeat)

Φ Coda F Am

A CLASSIC VARIATION

Sometimes the classic rhythm is played short: a quarter note followed by an eighth rest, with an eighth note on the upbeat. The space from the rest leaves room for the snare drum to hit on beats 2 and 4, giving the music a tight feel. To create the rest, simply mute the quarter note—either by lifting off the note with the left hand, or placing your plucking finger on the string.

COUNT: 1 2 + 3 4 +

When you get comfortable with this, use the metronome with a quarter-note click. Listen for the space left by the rest.

87

COUNT: 1 2 + 3 4 + 1 2 + 3 4 +

34

Here is a blues with the shortened classic rhythm.



CLASSIC BLUES

TRACK 37
SLOW/FAST

88

C7 F7 C7

F7 C7

G7 F7 C7 G7



PETTY THIEF

TRACK 38

89

D C D C D C A C

D C D C D C 1. F G 2. D

THIRD POSITION

ON THE G STRING

Place your first finger at the 3rd fret. This is **3rd position**. On the G string, this introduces one new note, high C at the 5th fret.

The diagram shows three fretboard diagrams for the G string in 3rd position:

- A[#]/B^b**: Shows the 3rd fret with a circle labeled **①**. Below it, a bass staff shows notes A[#] and B^b at the 3rd fret.
- B**: Shows the 4th fret with a circle labeled **②**. Below it, a bass staff shows a note B at the 4th fret.
- C**: Shows the 5th fret with a circle labeled **④**. Below it, a bass staff shows a note C at the 5th fret.

These are all the notes in 3rd position on the G string, starting with the high C.

90
FNG: 4 1 2 4 4 1 0 4 0 4 4 1 0 4 4 1 1 2 4

This example uses the open G string. Do not shift; keep the hand in 3rd position, and simply play the open string.

91
FNG: 4 4 4 1 0 4 0 4 4 1 0 4 4 2 1 0

This block contains the continuation of the musical staff for exercise 91, showing a sequence of notes on the G string in 3rd position, including the open G string.

If you're playing in 1st or 2nd position, it will be necessary to shift up to the high C. Shifts are indicated with “-”.

1st POSITION
92
FNG: 0 1 4 - 4 4 - 4 1 0 0 2 4 - 4 4 - 4 2 0

2nd POSITION

This block contains the continuation of the musical staff for exercise 92, showing a sequence of notes on the G string in 2nd position, including shifts.

ON THE D STRING

Here are the notes on the D string in 3rd position. Notice that G at the 5th fret is the same note as the open G string.

F F[#]/G^b G

3rd FRET 4th FRET 5th FRET

F F[#] G

93

FNG: 4 2

94

FNG: 1 4 2

This crosses between the G and D strings in 3rd position.



3RD WATCH

TRACK 39

95

FNG: 1 1 4

96

FNG: 4 2 1 4

ON THE A STRING

Here are the notes on the A string in 3rd position. The 5th fret is D, the same note as the open D string.

A bass clef is positioned at the top left of a five-line staff. A small black dot is placed on the third line from the bottom. To the right of the staff, the text "3rd FRET" is written in a sans-serif font.

Bass clef # ♭ 4th FRET
C♯ D♭

A musical staff with a bass clef on the left. In the center, there is a small open circle representing an eighth note. To the right of the staff, the text "5th FRET" is written vertically. Below the staff, the letter "D" is centered.

97

Bass Clef: $\frac{4}{4}$

FNG: 4 2 1 2 4 1 2 4

Musical score for page 10, measures 98-100. The score consists of three staves. The top staff shows a bass clef, a common time signature, and a key signature of one sharp. The middle staff shows a treble clef, a common time signature, and a key signature of one sharp. The bottom staff shows a bass clef, a common time signature, and a key signature of one sharp. The music includes various note values (eighth and sixteenth notes) and rests. Measure 98 starts with a bass note followed by eighth and sixteenth notes. Measure 99 begins with a bass note followed by eighth and sixteenth notes. Measure 100 begins with a bass note followed by eighth and sixteenth notes.

NEW OCTAVE: In 3rd position, we can play an octave on C.

Musical score for bassoon part, page 10, measures 99-100. The score consists of two systems of music. The first system starts with a bass clef, a common time signature, and a dynamic of $\text{FNG: } 1$. It contains two measures of music. The second system begins with a bass clef, a common time signature, and a dynamic of 4 . It also contains two measures of music. The notes are primarily eighth and sixteenth notes, with some quarter notes and rests. Measure 99 ends with a fermata over the last note of the first system. Measure 100 begins with a bass clef, a common time signature, and a dynamic of 1 .

A single measure of bass clef music notation on a five-line staff. The measure begins with a dotted half note, followed by a quarter note, a half note, a sharp sign, a whole note, a half note, a sharp sign, another half note, a brace, a dotted half note, a quarter note, a half note, a sharp sign, a whole note, a brace, and a double bar line.



TRACK 40
SLOW/FAST

FLYING LEAP

A bass clef musical staff with five horizontal lines and four spaces. The notes are as follows: a quarter note 'D' on the second line, a eighth note pair 'C' on the first space, a quarter note 'G' on the second line, a eighth note pair on the first space, a quarter note 'D' on the second line, a eighth note pair 'C' on the first space, a quarter note 'G' on the second line, and a quarter note 'D' on the second line.

ON THE E STRING

Here are the notes on the E string in 3rd position. The 5th fret is A, the same note as the open A string.

The diagram illustrates three guitar fretboards side-by-side:

- G Chord:** The first fretboard shows a G major chord. A circle with the number 1 is placed at the 3rd fret of the 6th string. The bass staff below shows a G note on the 4th line.
- G#/A♭ Chord:** The second fretboard shows a G# major/A♭ minor chord. A circle with the number 2 is placed at the 4th fret of the 6th string. The bass staff below shows a G# note on the 3rd line and an A♭ note on the 2nd line.
- A Chord:** The third fretboard shows an A major chord. A circle with the number 4 is placed at the 5th fret of the 6th string. The bass staff below shows an A note on the 2nd line.

10-

A musical staff in bass clef and common time. It contains eight notes, each with a vertical stem and a numerical value below it. The notes are arranged as follows: note 1, note 2, note 4, note 2, note 1, note 4, note 4, and note 1. The notes are separated by vertical bar lines.

FNG: 1 2 4 2 1 4 4 1

102

FNG: 1 1 4 4 4 2 1 1 2 4 4 1 0 1

NEW OCTAVE: In 3rd position, we can play an octave on G.

This uses the new octaves on G and C. They are on the same fret, just one string apart.

103

A handwritten musical score for bass clef and 4/4 time. The score consists of a single melodic line on five horizontal staff lines. The notes and rests are represented by various hand-drawn shapes, including circles, ovals, and dots. Below the staff, the lyrics "FNG: 1 4 1 4 4 1" are written, corresponding to the musical measures.

A musical staff in bass clef spanning two measures. The first measure begins with a quarter note on G, followed by a sharp sign indicating a key signature of one sharp. The second measure begins with a quarter note on A, followed by a sharp sign. The third measure begins with a quarter note on B, followed by a sharp sign. The fourth measure begins with a quarter note on C, followed by a sharp sign.



TRACK 41

0 AND 3

TRACK 41

G C Em

FNG: 1 4 1 4 0 1 4

The musical score consists of a single bass line on a four-line staff. The key signature changes from G major (one sharp) to C major (no sharps or flats) to Em (two sharps). The time signature is common time (indicated by '4'). The bass notes are: G (quarter note), B (eighth note), D (eighth note), F# (eighth note); C (quarter note), E (eighth note), G (eighth note); Em (quarter note), B (eighth note), D (eighth note), F# (eighth note). Below the staff, the fingering 'FNG: 1' is followed by '4' four times, then '0', then '1', then '4'. The first '4' is under the first two notes of the first measure, the second '4' is under the next two notes, and so on.

6

C

Em

14

10

51

EN

6

6

9.

—

SHIFTING THROUGH THE POSITIONS

It is not uncommon to play a song in all three positions. Sometimes you have to shift the octave shape up and down.

105

1st POSITION | 2nd POSITION | 3rd POSITION

FNG: 0 2 1 4 | 1 | 1 4

3rd POSITION | 2nd POSITION | 1st POSITION

1 4 1 4 | 1 4 0 2 | 1 4 0 2

Sometimes it's better to shift to 3rd position for the sake of keeping groups of notes together on the fingerboard.



TRACK 42

SHIFTY

106

1st POSITION | 3rd POSITION

Em F C | D F G

FNG: 0 0 1 1 4 4 1 2 4 | 4 4 1 2 4 1 1 4 1 4

3rd POSITION | 1st POSITION

G Em F C Am Em

G Em F C Am Em

This jazz line shifts freely between 1st, 2nd, and 3rd positions. Brackets indicate what notes are in the same position. The shifts come after an open string, giving you a chance to change positions. Shift marks are placed in the fingering numbers.



TRACK 43
SLOW/FAST

SHIFT-CRAZY BLUES

107

B^b7 | Cm7 | F7 | B^b7

B^b7 Cm7 F7 B^b7

FNG: 4 1 0 - 2 4 2 1 0 - 1 0 4 0 1 2 4 0

E^b7 | B^b7 | Dm7 | G7

E^b7 B^b7 Dm7 G7

1 0 - 4 2 1 0 - 1 2 4 0 1 0 4 2 1 -

Cm7 | F7 | B^b7 | G7 | Cm7 | F7 | B^b7

Cm7 F7 B^b7 G7 Cm7 F7 B^b7

1 2 4 4 4 2 1 0 - 1 4 2 1 2 1 2 0 - 2

These examples change positions a few times. See if you can find the best way to play them on your own.



TRACK 44

STONES-Y

A

108

C G F

C

B^b

F

To Coda ⊕ 1.

2.

B

Dm

Em

Am

C

Dm

Em

F

Dm Em Am G F

D.C. al Coda
G (no repeat)

⊕ Coda

F

G

C



TRACK 45

ETUDE BRUTÉ

A

G

Em

C

Am

D

G

C

D

109

109

G Em C Am D G C D

G

C

G

D

To Coda ⊕ C

1.

D

2.

Am

B

D

Am

C

Am

D.C. al Coda
D

⊕ Coda

C

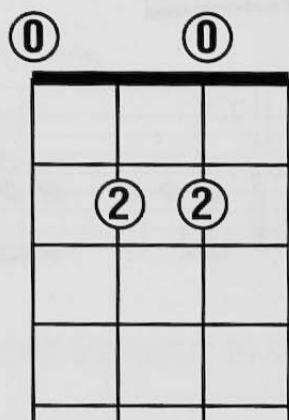
D

G

THE BOX SHAPE

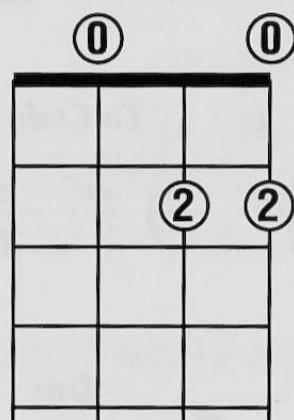
The **box shape** is a common four-note pattern found in all styles of bass playing. It forms a square shape on the fingerboard that can be easily moved. The lowest note in the pattern is the root, and the highest note is the octave.

E BOX



FNG: 0 2 0 2

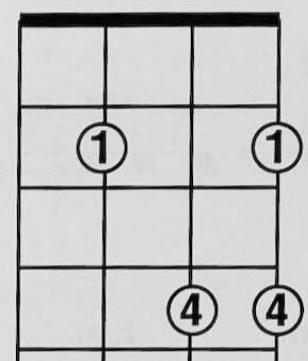
A BOX



A musical staff consisting of five horizontal lines. A bass clef is positioned at the top left. There are four solid black notes, each representing a quarter note. The notes are placed on the second line, the fourth line, the first line, and the third line from the bottom. To the right of the notes is a double bar line consisting of two vertical lines connected by a horizontal line.

FNG: 0 2 0 2

B BOX



A musical staff in bass clef. It features a single note on the fourth line, followed by a sharp sign indicating key signature. A fermata is placed over the next note, and a double bar line with repeat dots at both ends concludes the measure.

FNG: 1 4 1 4

For octave jumps off the E string, place the right-hand thumb on the E string while playing the higher notes on the D string. Use the left hand to mute the open D string in measure 3.

E BOX

1 **Bass**
FNG: 0 0 2 2 0 2

For octave jumps off the A string, rest the right thumb on the A string and lean it against the E string while playing the higher notes on the G string. Use the left hand to mute the open G string in measure 3.

A BOX

2

FNG: 0 2 2 0 2 2 2 0 0

The B box has no open strings—so the fingering can be moved around the fingerboard easily. More on that soon.

B BOX

3 FNG: 1 1 4 1 4 1 1 4 1

This image shows the musical score for the 'B Bok' section, page 3, starting at measure 1. The score consists of four staves of music for a bassoon. The first staff begins with a bass clef, a common time signature, and a key signature of one sharp. The notes are eighth and sixteenth notes. The second staff begins with a bass clef, a common time signature, and a key signature of one sharp. The third staff begins with a bass clef, a common time signature, and a key signature of one sharp. The fourth staff begins with a bass clef, a common time signature, and a key signature of one sharp. The notes are eighth and sixteenth notes. The score ends with a double bar line.



TUNING NOTES

TRACK 1



TRACK 2
SLOW/FAST

E, A & B BOX

4

E A

B A



TRACK 3

BOX LUNCH

5

A B E

A B E



TRACK 4

BOX-E BLUES

6

E7

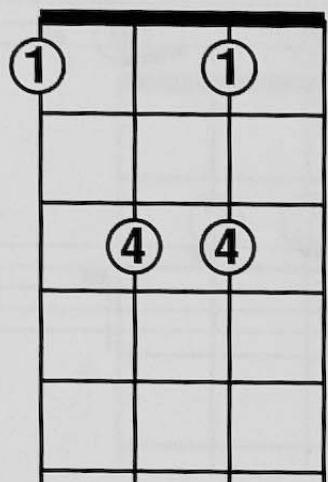
A7 E7

B7 A7 E7

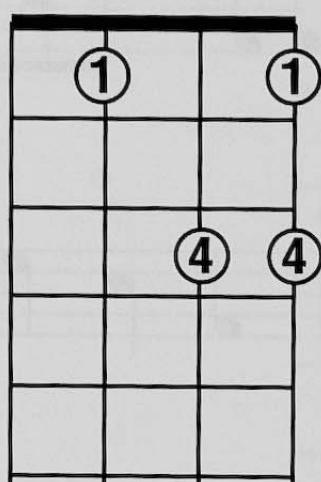
MOVABLE BOXES

Movable boxes all have the same fingering. Place your 1st finger on any note on the E or A string; that becomes the root. The box shape for that root follows the fingering pattern shown below. Movable box patterns can be used to create your own bass lines.

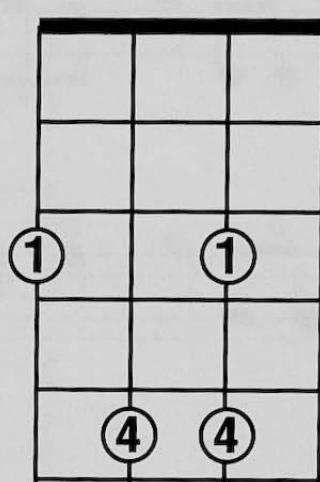
F BOX



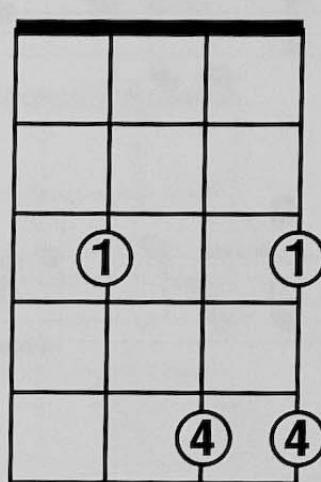
B♭ BOX



G BOX



C BOX



FNG: 1 4 1 4

Remember to keep your left hand relaxed as you play. If these shapes feel like a stretch, let your hand pivot naturally at the thumb when moving between lower and higher notes.

F BOX

7

FNG: 1 4 1 4 1 4 1 4 4 4 1 4

B♭ BOX

8

FNG: 1 4 1 4 1 4 1 4 4 1 4 4 4 1 4

G BOX

9

FNG: 1 1 4 4 1 1 4 4 4 4 1 4

C BOX

10

FNG: 1 1 4 4 1 1 4 4 1 1 4 4

The following examples show a one-measure box pattern. When you've learned the pattern thoroughly, play through the example by moving the pattern to the correct root, as indicated by the chord symbol above each measure.



TRACK 5

YOUR MOVE

11

G C G

B^b C F

To play the F# box shape in this example, move your hand down to the 2nd fret.



TRACK 6
SLOW/FAST

MOVE IT

12

B^b F

G F# F B

While the pattern remains the same, the A and E chords use the open E and A strings for their roots. Pay attention to muting your open strings.



TRACK 7

MOVIE STAR

13

C F G

F B^b C A

E F G

5TH POSITION

So far, we've played in 1st, 2nd, and 3rd positions. Let's continue to expand our knowledge of the fingerboard; playing in 5th position will give us access to a few new notes as well as alternate fingerings for notes we've already learned.

ON THE G STRING

Place your first finger on the 5th fret of the G string. We are still using the 1-2-4 fingering system.

The diagram illustrates the 5th position on the G string. It shows three fretboards with fingerings:

- Fretboard 1: Note C at the 5th fret (finger 1).
- Fretboard 2: Notes C[#] and D^b at the 6th fret (finger 2).
- Fretboard 3: Note D at the 7th fret (finger 4).

Below each fretboard is a bass clef staff with the note names C, C[#], and D respectively.

To get more comfortable with the notes in this position, say them aloud as you play: "C, C[#], D..."

14

FNG: 1 2 4 2 1 4 1 2 4 1

15

FNG: 1 1 4 1 4 1 1 2 4 1

This example uses the open G string—keep the hand in 5th position and play the open string.

16

FNG: 1 0 1 2 4 0 4 2

17

SHIFT PRACTICE

Many bass lines require you to play in several positions. It's important to be comfortable shifting between positions. Release the finger pressure before making the shift, and land on the new note as gently as possible.

Practice the shifts in example A individually, back and forth. Make the shifts as smooth as possible. Example B shifts from 5th position down to the open G, and back up.

A 5th - 3rd 3rd - 5th 5th - 3rd 3rd - 5th 5th - 2nd 2nd - 5th

FNG: 1 1 4 4 4 1 1 1 1 4 1 4 1 1 4 1

B 5th ----- 2nd ----- open ----- 1st ----- 2nd ----- 5th

4 1 4 1 0 1 4 4 1 1 4 1 1 4 1

This example shifts between 3rd and 5th position.

18

FNG: 1 2 4 1 - 1 1 2 4 2 1 0 - .

4 4 2 1 - - 1 4 1 - 4 1 1 - 1 0 - .

This example has many shifts. The important fingerings are marked, and all shifts are indicated by the “-” symbol.

TRACK 8

SHIFTY HENRY

19

FNG: 4 1 - 4 1 - 1 1 4 1 4 - 1 4 - .

4 1 0 - 4 1 - 1 - 1 4 0 - 1 - .

1.

1. 1 4 - 4 0 - 1 - 4 0 - 1 - 4 - .

2.

1 4 - 1 4 - 1 4 - 1 4 - 0 - 1 - 4 - .

ON THE D STRING

Here are the notes in 5th position on the D string.

The diagram illustrates three guitar fretboards side-by-side, each with six strings and seven frets labeled 5, 6, and 7 from left to right. The first fretboard shows a G chord with a circle numbered 1 at the 5th fret on the 3rd string. The second fretboard shows a G[#] / A♭ chord with a circle numbered 2 at the 6th fret on the 3rd string. The third fretboard shows an A chord with a circle numbered 4 at the 7th fret on the 3rd string. Below each fretboard is a bass clef followed by a note on the 3rd string corresponding to the chord played.

	5	6	7
G	○		
G[#] / A[♭]	♯○	♭○	
A	○		

You'll recall these notes can also be found on the G string (open, 1st fret, and 2nd fret). Which position you choose to play them in will depend on the notes occurring before and after. For now, they'll be read in 5th position.

Musical score for bassoon part 20. The score consists of two staves. The top staff shows a bass clef, a common time signature, and a key signature of one sharp. The bottom staff shows a bass clef and a common time signature. The music features various notes and rests, with some notes having accidentals like sharps and flats. The score is numbered 20 at the beginning. Below the staves, the fingering (FNG) is indicated as follows: 1, 2, 4, 2, 4, 2, 1, 1, 2, 4, 1, 2, 1.

21

FNG: 4 4 2 1 4 4 2 1 4

This example uses the open D string; stay in 5th position.

22 **Bass Clef**: **4** **1 1 0 1 2** | **1 1 0 1 2**

FNG: **1 1 0 1 2** | **1 1 0 1 2**

This example starts on open D, but it is still played in 5th position.



TRACK 9

DEE GEE

A handwritten musical score page featuring a single bass clef staff. The time signature is 4/4. The staff consists of six measures of music, each containing a single note head with a stem. The notes are distributed across the four spaces and five lines of the staff.

A handwritten musical score for bass clef, common time. The score consists of four measures. Measure 1: A dotted quarter note followed by an eighth note, a sixteenth-note cluster (two vertical stems with four notes each), a half note with a sharp sign, and a quarter note with a flat sign. Measure 2: A dotted quarter note followed by an eighth note, a sixteenth-note cluster, a half note with a sharp sign, and a quarter note with a sharp sign. Measure 3: A dotted quarter note followed by an eighth note, a sixteenth-note cluster, a half note with a sharp sign, and a quarter note with a sharp sign. Measure 4: A dotted quarter note followed by an eighth note, a sixteenth-note cluster, a half note with a sharp sign, and a quarter note with a sharp sign.

Now practice playing across the D and G strings in 5th position.

24

This one crosses the D and G strings and “bounces” down to open D. Remember, it’s all in 5th position.

25

Play on the D and G strings and shift between 5th, 3rd, and 1st positions. Remember: 3/4 time means 3 beats per bar.



TRACK 10

5-3-1

26

FNG: 1 2 4 1 2 4 1 - 1 4 - | : |



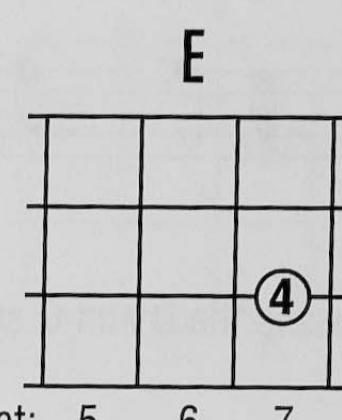
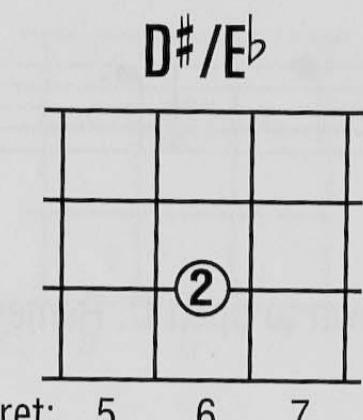
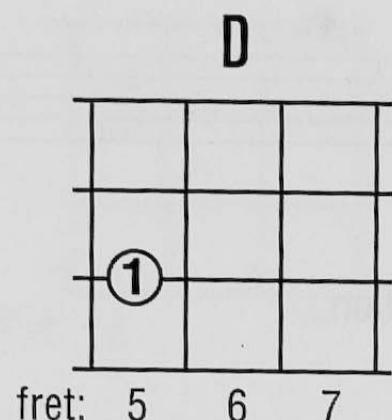
TRACK 11

DIG IT

27

ON THE A STRING

Here are the notes on the A string in 5th position. These notes are also available on the D string: open, 1st fret, and 2nd fret. For now, we'll stick to 5th position locations.



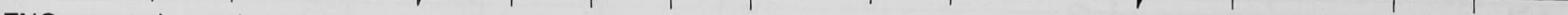
A musical staff for bass guitar. It features a bass clef at the top left, followed by an open circle indicating the 5th fret. Below the staff, the letter 'D' is centered, representing the note name.

Bass clef: **#**
6th FRET

Bass clef: o 7th FRET

Musical score for Exercise 29, page 10. The score consists of two staves. The top staff shows a bass clef, a key signature of one sharp, and a common time signature. The bottom staff shows a treble clef, a key signature of one sharp, and a common time signature. The music includes various note heads with stems and rests, and the measure numbers 1 through 10 are indicated above the notes.

This example bounces off the open A string but stays in 5th position.

30 
 FNG: 1 1 0 1 1 2 2 4 4 0 4 0 4 2

A musical staff in bass clef, starting with a quarter note on the A-line. It continues with a quarter note on the G-line, a dotted half note on the F-line, a whole note on the E-line (with a fermata), a quarter note on the D-line, a quarter note on the C-line with a sharp sign, another quarter note on the D-line, a quarter note on the C-line, a dotted half note on the B-line, a quarter note on the A-line, and a quarter note on the G-line.

INTRODUCING TABLATURE

Tablature is a system of notating the specific location of notes on the fingerboard. In 5th position, there are many notes that could be played elsewhere on the neck; tablature (or “tab”) is a handy way to indicate where they are best played.

The tab staff is 4 lines: the bottom line represents the E string; the next line is the A string, then the D string, and then the G string. Numbers on the lines represent frets. For each note on the staff, there will be a number in tab indicating the exact fret location of that note.

TAB

5 6 7 5 | 5 6 7 5 | 5 6 7 5 | 7 5 7 5

This example uses tablature to clearly indicate where the notes are played.



TRACK 12

TAB HUNTER

31

E A C G D

T
A
B

7 5 7 5 | 7 5 7 7 | 5 5 5 5 | 5 0 5 5

E A D A E

7 5 7 7 5 6 | 7 5 7 5 0 | 5 6 7 5 7 5 | 7 7 7 ||

This crosses the A, D, and G strings, and shifts between 5th and 3rd positions. Tablature makes it clear.



TRACK 13

PAY THE TAB

32

Am C Am C

FNG: 4 1 4 1 4 1 - 1 1 4 - 4 1 4 1 -

T
A
B

7 5 7 5 7 5 | 3 3 5 7 5 | 7 5 7 5 7 5 | 5 5 7 5 5 |

F G 1. C Am Dm G

1. C Am Dm G

1 4 1 4 1 - 1 4 1 3 3 5 5 5 7 5 7 5 5 7 7 5 5 5 5 5 5 5 .

2. F A7 Dm G C

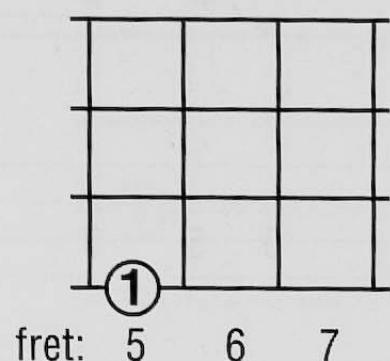
- 1 2 0 1 4 3 3 3 3 3 4 4 4 0 5 5 5 7 5 7 5 5 7 7 5 5 5 5 5 5 5 .

3 3 3 3 3 4 4 4 0 5 5 5 7 5 7 5 5 7 7 5 5 5 5 5 5 5 .

ON THE E STRING

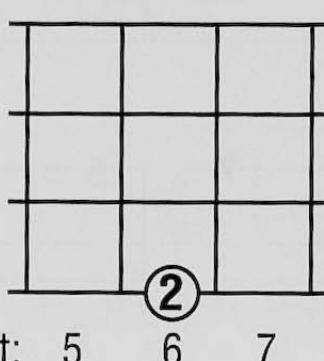
Here are the notes on the E string in 5th position. These notes are also found on the A string: open, 1st fret, and 2nd fret. These examples use 5th position.

A



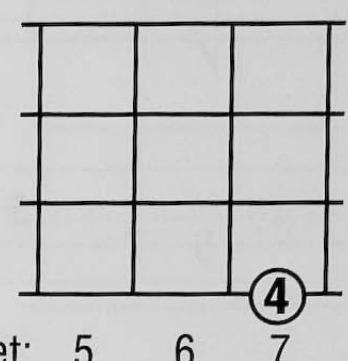
fret: 5 6 7

A#/B \flat

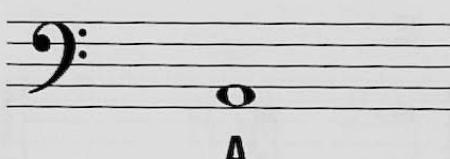


fret: 5 6 7

B

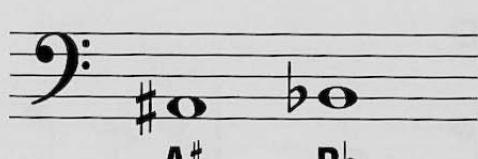


fret: 5 6 7



5th FRET

A



6th FRET

A \sharp B \flat



7th FRET

B

33

A musical staff in 4/4 time with a bass clef. It contains 10 notes. Below the staff is a FNG (Finger Number Guide) sequence: 1 2 1 2 4 2 1 4 2 1.

FNG: 1 2 1 2 4 2 1 4 2 1

34

A musical staff in 4/4 time with a bass clef. It contains 16 notes. Below the staff is a FNG sequence: 4 4 4 2 2 2 1 1 1 2 2 2 2.

FNG: 4 4 4 2 2 2 1 1 1 2 2 2 2

This stays in 5th position, but bounces down to the open E string.

35

A musical staff in 4/4 time with a bass clef. It contains 16 notes. Below the staff is a FNG sequence: 1 1 0 1 1 2 4 4 0 4 4 4 2.

FNG: 1 1 0 1 1 2 4 4 0 4 4 4 2

A continuation of the musical staff from measure 35, showing the notes continuing across the page.

Now play all the notes in 5th position across all 4 strings.

36

A musical staff in 4/4 time with a bass clef. It contains 16 notes. The notes are: open E, G, B, D, F#, A, C, E, G, B, D, F#, A, C, E, G, B.

A continuation of the musical staff from measure 36, showing the notes continuing across the page.

Crossing all four strings in 5th position, this one has some unusual switches between the open strings and their fretted counterparts. Check the tab carefully.



TRACK 14

OPEN/CLOSED

37

TAB

A
B

0 0 5 7 5 7 | 7 7 5 7 5 7 | 5 0 5 0 | 5 7 5 7

Bass line 1: 0 0 5 7 5 7 | 7 7 5 7 5 7 | 5 0 5 0 | 5 7 5 7

Bass line 2: 5 0 5 7 5 7 | 7 5 0 7 5 0 | 7 5 0 5 | 0 5 0 7



TRACK 15
SLOW/FAST

DA BLUES

A7

38

D7

A7

E7 D7 A7 E7

TAB

A
B

5 5 0 0 | 5 5 7 5 7 | 7 7 5 7 5 6 | 7 7 6 5 7 5 7

Bass line 1: 5 5 0 0 | 5 5 7 5 7 | 7 7 5 7 5 6 | 7 7 6 5 7 5 7

Bass line 2: 5 5 7 5 7 | 5 5 6 7 7 5 7 | 5 5 0 0 0 | 7 5 6 7 5

Bass line 3: 7 7 7 0 5 7 7 | 5 5 6 7 5 7 5 | 7 7 5 7 5 7 | 5 0 0 0 0 7 .

Here is a tune that shifts between several positions and crosses all four strings. Follow the tab, and experiment with different fingerings. Once you've got the fingerings down for this piece, practice reading it without looking at the tab. You'll develop a better sense of what you're playing and you'll keep up your note-reading "chops."



ALL TOGETHER NOW

TRACK 16

39

Am **F** **Dm** **B♭**

T
A
B

5 5 7 | 1 1 3 2 | 0 0 3 0 | 1 1 1

Am **C** **B♭** **E♭** **Dm** **G**

2 | 0 0 | 3 5 | 1 1 1 | 0 0 | 3 .

E♭

1 1 1 1 | 1 3 0 3 1 0 | 3 1 || 3 3 4 5 3 5

Dm **Cm**

5 5 6 7 5 7 | 5 5 4 3 5 | 3 3 3 3 5 3 5 | 3 3 4 5 3 5

B♭ **D♭** **B♭** **Am**

1 2 3 2 1 3 | 4 4 4 4 4 | 1 1 1 3 1 3 | 0

This is an example of a **walking bass** line. The constant quarter-note rhythm and non-repetitive note choices give it a distinct jazz flavor. This piece starts in 1st position, shifts up to 5th, and then shifts back down to 1st. Open strings are used to make the shifts easier. Try reading it first without looking at the tab, and see how well you do.



TRACK 17
SLOW/FAST

SWING TIME

F7

40

Bass Clef

4/4 Time

TAB

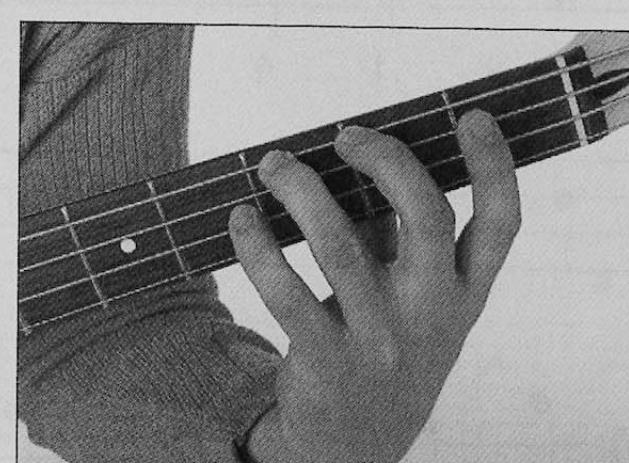
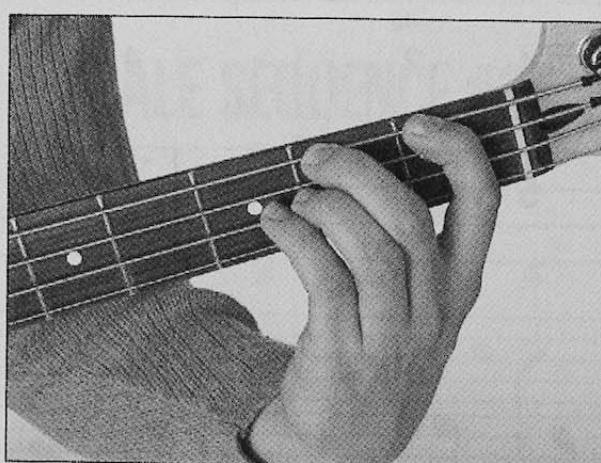
Chords: F7, B♭7, Am7, D7, G7, Gm7, C7, Am7, D7, G7, C7

Fretboard Diagrams:

- Measure 1: T 0 1 2 | A 3 0 1 2 | B 3 0 1 2 | T 3 0 1 0
- Measure 2: B 1 0 3 0 | A 3 2 1 3 | G 2 0 2 0 | D 5 7 7 6
- Measure 3: G 5 6 7 6 | G 5 7 5 6 | C 7 6 5 0 | C 3 2 3 0

ONE FINGER PER FRET

Another fingering system commonly used on the bass assigns one finger to each fret. This expands what is available under your hand by one more note. This system is *not* advisable for box shapes as it puts too much strain on the hand. To use OFPF without strain, you must learn to use the **pivot** in the left hand between the 2nd and 3rd finger. Play a note with the 1st finger, then lay down the 2nd finger. When moving to the 3rd finger, release the 1st finger and pivot slightly on the 2nd finger and thumb to reach the note with the 3rd finger. Lay down the 4th finger next. Pivoting like this eliminates the need to stretch the hand open to reach the notes. Extended periods of stretching open your hand can be painful and potentially damaging. Stay relaxed and flexible as much as possible.



Practice playing across all four strings with OFPF. When you've reached the last note, reverse directions and come back down.

Bass Clef

4/4 Time

FNG: 1 2 \wedge 3 4 1 2 \wedge 3 4 1 2 \wedge 3 4 1 2 \wedge 3 4

Notes: #, ♭, ♮

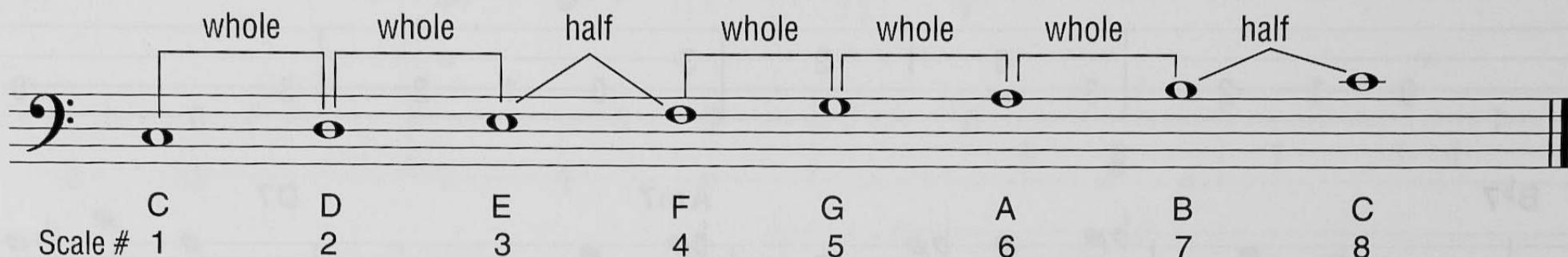
Pivots: pivot, pivot, pivot, pivot

THE MAJOR SCALE

The **major scale** is a group of 8 notes that occur in a specific order. It is the basis of most popular music and is an important tool in developing an understanding of how music is structured.

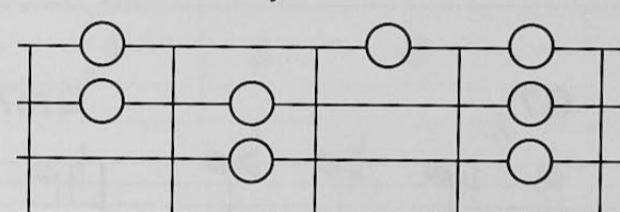
The major scale is constructed by combining *whole steps* (the distance between 2 frets) and *half steps* (1 fret) in this pattern:

C MAJOR SCALE



Each note in the scale is numbered 1 through 8. The 1st (and 8th) note is called the root or tonic (in this case, C). It is the note that gives the scale its name or **key**, and sounds like "home base." The numerical system is used to describe melodies, root motion, and many other musical elements.

Using the OFPF system and starting on the 2nd finger, the major scale falls naturally under the hand in one position. This is the "**universal fingering**" for the major scale; it will produce the scale in any key starting from the 2nd fret and above on the E or A strings. Here it is in C major.



41

FNG: 2 4 1 2 4 1 3 4 5 4 3 1 4 2 1 4 2

T A B
A 3 5 2 3 | 5 2 4 5 5 4 2 5 | 3 2 5 3

42

FNG: 2 1 4 2 1 4 2 1 4 3 1 4 3 4 4

T A B
A 3 2 5 3 | 2 5 3 2 5 4 2 5 | 4 5

FNG: 5 2 4 5 | 2 3 5 2 | 3 5 2 3 | 5 2 3

T A B
A 5 2 4 5 | 2 3 5 2 | 3 5 2 3 | 5 2 3

43

FNG: 2 4 1 2 4 2 4 1 2 4 1 4 1 2 4 1 3 1 2 4 1 3 4 2

TAB: T 2 3 5 2 3 5 2 5 2 3 5 2 4 2 3 5 2 3 5 2 4 5 3

B 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3 5 3

5 5 4 2 5 3 2 3 4 2 5 3 2 5 2 4 2 5 3 2 5 3 5 2 5 5 3

Remember: When using the OFPF system to play notes in a single position like this, allow your left hand to pivot naturally between the 2nd and 3rd fingers; always keep the hand relaxed.

The next two examples use the number system exclusively. Using the universal fingering in the key of C position, play the notes that correspond to the scale numbers. Say the scale numbers aloud. Pay attention to the note names as well.



SCALE SEQUENCE #1

TRACK 18

Scale # 1 6 2 5 3 6 2 5

44

1 3 4 2 3 6 2 5 1



SCALE SEQUENCE #2

TRACK 19

Scale # 1 2 3 1 2 3 4 2 3 4 5 3 4 5 6 4

45

5 6 7 5 6 7 8 6 5 4 3 2 3 2 1

KEY SIGNATURES

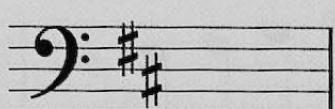
If you examine the notes in the key of C, you'll notice that there are no sharps or flats. The half steps in the scale (between 3 & 4 and 7 & 8) naturally occur between E & F and B & C. In different keys, it is necessary to add sharps or flats to maintain the sequence of whole and half steps that produce the major scale.

Each new key has its own unique **key signature** that indicates which notes are sharp or flat. It appears at the beginning of a line of music. Here are the key signatures for keys up to 5 sharps and 5 flats.

SHARP KEYS



G MAJOR



D MAJOR



A MAJOR

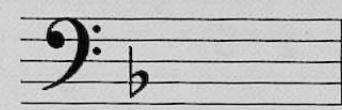


E MAJOR

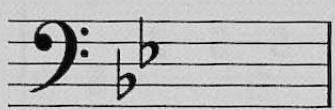


B MAJOR

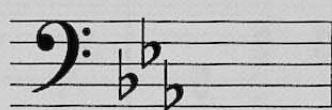
FLAT KEYS



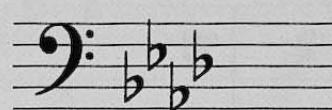
F MAJOR



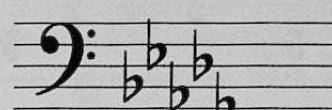
B^{flat} MAJOR



E^{flat} MAJOR



A^{flat} MAJOR



D^{flat} MAJOR

Sharps or flats indicated in the key signature are played automatically unless cancelled out by a natural sign (\natural).

To get familiar with the above keys, play them first in **open position**—that is, starting on the lowest possible root on the fingerboard, and using as many open strings as possible. Some of these keys/scales will be easier to play this way than others. The keys of G, A, E, F, and B^{flat} will be especially useful. Use the 1-2-4 fingering system, and refer to the fingerings and shifts as needed.

Play each scale several times, and be sure to watch for sharps and flats. Say the note names as you play.

In 2nd position.

G MAJOR

FNG: 2 0 1 2 0 1 4 0

A musical staff with eight vertical lines representing strings. The notes are: G (open A), A (1st finger on B), B (open C), C (open D), D (open E), E (1st finger on F), F# (1st finger on G), G (open A). Fingerings are indicated above the staff: 2, 0, 1, 2, 0, 1, 4, 0.

Start in 2nd position; shift up to 5th position.

D MAJOR

FNG: 0 1 4 0 1 4 - 2 4

A musical staff with eight vertical lines representing strings. The notes are: D (open E), E (1st finger on F), F# (open G), G (open A), A (1st finger on B), B (1st finger on C), C# (1st finger on D), D (open E). Fingerings are indicated above the staff: 0, 1, 4, 0, 1, 4 - 2, 4.

Start in 2nd position; shift down to 1st position.

A MAJOR

FNG: 0 1 4 0 1 4 - 1 2

A musical staff with eight vertical lines representing strings. The notes are: A (open B), B (1st finger on C), C# (open D), D (open E), E (1st finger on F), F# (1st finger on G), G# (1st finger on A), A (open B). Fingerings are indicated above the staff: 0, 1, 4, 0, 1, 4 - 1, 2.

Start in 2nd position; shift down to 1st position.

E MAJOR

FNG: 0 1 4 0 1 4 - 1 2

A musical staff with eight vertical lines representing strings. The notes are: E (open F), F# (1st finger on G), G# (1st finger on A), A (open B), B (1st finger on C), C# (1st finger on D), D# (1st finger on E), E (open F). Fingerings are indicated above the staff: 0, 1, 4, 0, 1, 4 - 1, 2.

Try the OPFP system for this one. (Start on the 2nd fret, A string.)

B MAJOR

FNG: 2 4 1 2 4 1 3 4

B C# D# E F# G# A# B

In 1st position.

F MAJOR

FNG: 1 4 0 1 4 0 2 4

F G A B^b C D E F

In 1st position.

B^b MAJOR

FNG: 1 4 0 1 4 0 2 4

B^b C D Eb F G A B^b

Start in 1st position; shift up to 5th (with a stretch).

E^b MAJOR

FNG: 1 4 0 1 4 - 1 3 4

E^b F G Ab B^b C D E^b

In 1st position. (Use OFPF at the start.)

A^b MAJOR

FNG: 4 1 3 4 - 1 4 0 1

Ab Bb C Db Eb F G Ab

Start in 1st position, then shift up. (Again, try OFPF at the start.)

D^b MAJOR

FNG: 4 1 3 4 1 4 - 2 4

Db Eb F Gb Ab Bb C Db

TIP: Before playing any piece of music, check the key signature. Play the corresponding scale up and down, saying the note names aloud. You'll be warmed up and ready to play!

UNIVERSAL FINGERINGS

Of course, all the major keys can also be played with the universal fingering (2-4, 1-2-4, 1-3-4). E, B, F, and E♭ are in higher positions than you've learned, but it's simple to plug in the fingering and play the scale.

Again, play each scale several times. First say the note names, then the scale numbers.

Start on the 3rd fret, E string.

G MAJOR

FNG: 2 4 1 2 4 1 3 4

A musical staff for a bass clef instrument. It shows a scale starting on the third fret of the E string. The notes are: G (3rd fret), A (4th fret), B (5th fret), C (6th fret), D (5th fret), E (6th fret), F♯ (7th fret), and G (8th fret). Fingerings are indicated above the staff: 2, 4, 1, 2, 4, 1, 3, 4. Below the staff, the notes are labeled: G, A, B, C, D, E, F♯, G. Below that, "Scale # 1 2 3 4 5 6 7 8".

Start on the 5th fret, A string.

D MAJOR

A musical staff for a bass clef instrument. It shows a scale starting on the fifth fret of the A string. The notes are: D (5th fret), E (6th fret), F♯ (7th fret), G (8th fret), A (9th fret), B (10th fret), C♯ (11th fret), and D (12th fret). Below the staff, the notes are labeled: D, E, F♯, G, A, B, C♯, D.

Start on the 5th fret, E string.

A MAJOR

A musical staff for a bass clef instrument. It shows a scale starting on the fifth fret of the E string. The notes are: A (5th fret), B (6th fret), C♯ (7th fret), D (8th fret), E (9th fret), F♯ (10th fret), G♯ (11th fret), and A (12th fret). Below the staff, the notes are labeled: A, B, C♯, D, E, F♯, G♯, A.

Start on the 7th fret, A string.

E MAJOR

A musical staff for a bass clef instrument. It shows a scale starting on the seventh fret of the A string. The notes are: E (7th fret), F♯ (8th fret), G♯ (9th fret), A (10th fret), B (11th fret), C♯ (12th fret), D♯ (1st fret), and E (2nd fret). Below the staff, the notes are labeled: E, F♯, G♯, A, B, C♯, D♯, E.

Start on the 7th fret, E string.

B MAJOR

A musical staff for a bass clef instrument. It shows a scale starting on the seventh fret of the E string. The notes are: B (7th fret), C♯ (8th fret), D♯ (9th fret), E (10th fret), F♯ (11th fret), G♯ (12th fret), A♯ (1st fret), and B (2nd fret). Below the staff, the notes are labeled: B, C♯, D♯, E, F♯, G♯, A♯, B.

Start on the 8th fret, A string.

F MAJOR

A musical staff for a bass clef instrument. It shows a scale starting on the eighth fret of the A string. The notes are: F (8th fret), G (9th fret), A (10th fret), B♭ (11th fret), C (12th fret), D (1st fret), E (2nd fret), and F (3rd fret). Below the staff, the notes are labeled: F, G, A, B♭, C, D, E, F.

Start on the 6th fret fret, E string.

B♭ MAJOR

A musical staff in bass clef and common time. It consists of ten vertical measures separated by bar lines. Each measure contains one note. The notes are: B-flat, C, D, E-flat, F, G, A, B-flat, C, and D. The first three notes (B-flat, C, D) are quarter notes. The next four notes (E-flat, F, G, A) are eighth notes. The last two notes (B-flat, C) are quarter notes.

Start on the 6th fret, A string.

E♭ MAJOR

A musical staff in bass clef with a key signature of two flats. The notes are E-flat, F, G, A-flat, B-flat, C, D, E-flat, F, G, A-flat, B-flat, C, D, E-flat, F, G.

Start on the 4th fret, E string.

A♭ MAJOR

A musical staff in bass clef and common time. It consists of ten vertical stems, each ending in a black dot representing a note. The first five stems are grouped by a vertical bar line, and the next five are grouped by another. Below the staff, the notes are labeled with their corresponding letter names: A \flat , B \flat , C, D \flat , E \flat , F, G, and A \flat . The labels are positioned below the first, second, fourth, fifth, seventh, eighth, and ninth stems respectively.

Start on the 4th fret. A string.

D♭ MAJOR

A musical staff in bass clef and common time. The key signature has four flats. The notes are quarter notes, starting at D \flat and moving up through E \flat , F, G \flat , A \flat , B \flat , C, D \flat , and back down through B \flat , A \flat , G \flat , F, E \flat , and D \flat . The staff ends with a double bar line.

Once you are comfortable with each scale in its various positions, play them all using these numerical sequences. For more practice in this area, go back to Scale Sequences #1 and #2 and play them in all keys.

SCALE SEQUENCE #3

Scale # 1 2 1 3 1 4 1 5 1 6 1 7 1 8 1

46  



8 1 7 1 6 1 5 1 4 1 3 1 2 1 1



SCALE SEQUENCE #4

Scale # 1 3 2 4 2 5 4 6 5 7 6 8 7 5 8

47  



8 6 7 5 6 4 5 3 4 2 3 1 2 5 1



Now it's time to play. Check the key signature, and play the sharps and flats as indicated. Find your own fingerings.



TRACK 20

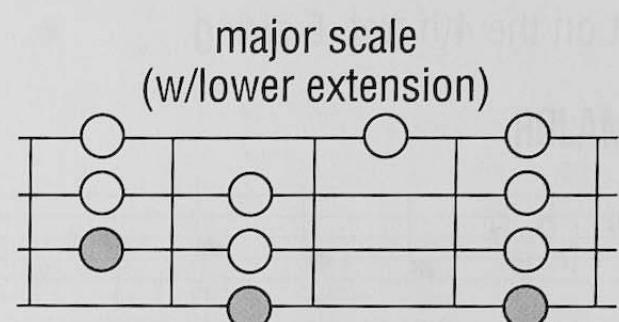
PASTA MON

48

F B^b F B^b C

Dm E^b B^b F Dm B^b

While the notes in this next piece go below the root D, it is still playable in the D major scale position at the 5th fret. You could consider this a "lower extension" of the universal fingering. The piece can also be played in open position.



TRACK 21
SLOW/FAST

D-LISH

49

Try this in the universal scale fingering; you can also read it in open position.



TRACK 22

A-FLAT TIRE

50

A^b D^b Cm Fm B^bm E^b

A^b Fm B^bm E^b A^b 1. E^b

2. D^b E^b A^b D^b E^b A^b



TRACK 23

OPEN E

51

E A E B

E A C♯m B A E

Music staff showing bass notes and chords E, A, C♯m, B, A, E.

This can be played in open G and universal positions. Try them both.



TRACK 24

G3

52

G C D

Music staff showing bass notes G, C, D.

1.

G D C

Music staff showing bass notes G, D, C.

2.

G D C D G

Music staff showing bass notes G, D, C, D, G.

This, too, can be played in open and universal positions.

TRACK 25
SLOW/FAST

B-FLAT JUMP

53

B♭ Gm Cm F D7 G7

C7 F7 B♭ B♭7 E♭ C7

Dm G7 C7 F7 F7 B♭

Music staff showing bass notes in various chords: B-flat major, G minor, C minor, F major, D7, G7, C7, F7, B-flat major, B-flat 7th, E-flat major, C7, Dm, G7, C7, F7, F7, B-flat major.

THE CLASSIC BLUES LINE

This very familiar bass line follows a pattern that fits right into the universal scale fingering, making it very easy to play in any key. Hint: You'll need an upper extension for the C7 and D7 chords. (Refer to the diagram below.)

In this key, the line can also be played in open position; try it both ways.



TRACK 26

G7

54

FNG: 2 1 4 1 4 1 4 1 4 1

C7 G7

D7 C7 G7 G7

This line has variations in the main pattern and in measures 9 through 12. They are interchangeable with the original line. The key of A can also be played in open position, but measures 9 and 10 need to be repositioned. Can you figure out how to do it?



TRACK 27

AAY, BLUES!

A7

55

FNG: 2 1 4 1 2 1 4 1 2 1 4 1

D7 A7

E7 D7 A7 A7

E is a very popular key for the blues. Shifting the classic line into E requires you to play in open position. This version is a “doubled up” rhythm using eighth notes. This has a more “rock ‘n’ roll” feel to it, but the line is the same as the original.



TRACK 28

LOW DOWN

E7

56

Bass line notation for measure 56 in E7 chord. The bass line consists of eighth-note pairs. The first two pairs are on the G string (3rd and 2nd frets). The next two pairs are on the D string (5th and 4th frets). The final two pairs are on the A string (1st and 2nd frets).

T
A
B

0 0 4 4 2 2 4 4 2 2 4 4 2 2 4 4 0 0 4 4 2 2 4 4

A7

Bass line notation for measure 56 transitioning to A7 chord. The bass line consists of eighth-note pairs. The first two pairs are on the G string (3rd and 2nd frets). The next two pairs are on the D string (5th and 4th frets). The final two pairs are on the A string (1st and 2nd frets).

2 2 4 4 2 2 0 0 4 4 2 2 4 4 2 2 4 4 2 2 4 4

E7

Bass line notation for measure 56 transitioning to E7 chord. The bass line consists of eighth-note pairs. The first two pairs are on the G string (3rd and 2nd frets). The next two pairs are on the D string (5th and 4th frets). The final two pairs are on the A string (1st and 2nd frets).

0 0 4 4 2 2 4 4 2 2 4 4 2 2 1 1 4 4 1 1

B7

Bass line notation for measure 56 transitioning to B7 chord. The bass line consists of eighth-note pairs. The first two pairs are on the G string (3rd and 2nd frets). The next two pairs are on the D string (5th and 4th frets). The final two pairs are on the A string (1st and 2nd frets).

0 0 4 4 2 2 4 4 0 0 4 4 2 2 4 4 2 2 4 4 0

UNDERSTANDING BASS LINES

An effective way to understand bass lines is to determine the scale numbers that represent the notes. By now you can figure out the scale numbers within a key, but when chords change, you'll sometimes find it easier to think of the notes in relationship to the new chord. The root of each new chord becomes scale number 1. In the example below, the scale numbers on the E7 chord are 1-3-5-6-8-5-3. When it moves to the A7 chord, the A (the root) becomes the new number 1, so the pattern for the A7 chord is also 1-3-5-6-8-6-5-3.

Rather than figure out the numbers for the entire line in the key of E, each new chord represents a separate “key”—not literally, but in terms of playing and understanding the line. This approach can be especially effective in playing blues.

E7

A7

Bass line notation showing scale patterns for E7 and A7 chords. The bass line consists of eighth-note pairs. The first two pairs are on the G string (3rd and 2nd frets). The next two pairs are on the D string (5th and 4th frets). The final two pairs are on the A string (1st and 2nd frets).

Scale # 1 3 5 6 8 6 5 3 1 3 5 6 8 6 5 3

SYNCOPATED EIGHTH NOTES

Syncopation is the placement of rhythmic accents on weak beats or weak portions of beats. Syncopated eighth notes, for example, emphasize the upbeat, or “and” of a beat. They are an important part of rock, blues, funk, R&B, soul, latin, jazz, and even country music.

The diagram illustrates the timing of eighth notes in four measures. The first measure is labeled "DOWNBEATS" and shows quarter note downbeats at the start of each measure. The second measure is labeled "SYNCOPATED" and shows eighth notes placed on the "and" of each beat. Below the staff, a count is provided for each measure: COUNT: 1 + 2 + 3 + 4 + (1) + (2) + (3) + (4) +.

Practice these slowly, counting the eighth notes aloud “1 + 2 +” etc. In order for syncopation to sound correct, the downbeats need to be felt. Once you are comfortable with the rhythms, use a metronome clicking on quarter notes.

57

COUNT: 1 2 + (3) + (4) 1 2 + (3) + (4) + 1 (2) + (3) + (4) + 1 + (2) + (3) + 4

58

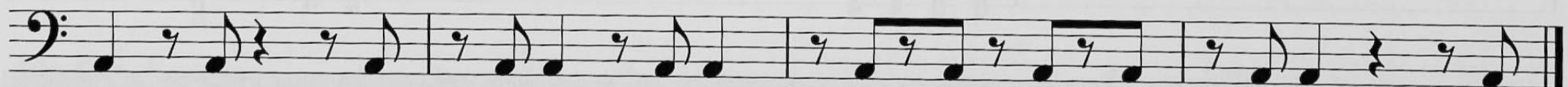
COUNT: 1 (2) + (3) + (4) + 1 + (2) + (3) + 4 (1) + (2) + 3 4 1 + (2) + (3 + 4 +)

59

COUNT: 1 (2) + (3) + (4) +

60

COUNT: 1 (2) (3) + (4) (1) + (2) (3) (4) +



61



Fingerstyle players, remember to alternate between index (i) and middle (m) fingers. To mute the string during a rest, place the alternate finger down early—stopping the string’s vibration—before playing the next note. Pick style players, continue to use downstrokes on downbeats, and upstrokes on upbeats (or play all downstrokes, if you prefer). Be sure to mute all rests with your left hand.



TRACK 29

OFF BEAT

62

C7 F7 C7 G7

C7 F7 G7 C7

TRACK 30
SLOW/FAST

FUNKY SOUL GROOVE

63

G C G C

G C G C



TRACK 31

THAT '70S THING

64

D7 G7 C7

T 5 7 5 7 | 5 5 5 5 5 | 5 3 5

F7 D7 G7

3 3 3 3 3 | 5 7 5 7 | 5 5 5 5 6

A7 D7

7 7 7 7 | 7 7 7 5 7 | 5 5

THE MAJOR TRIAD

A *major triad* is a three-note chord structure built with the root, 3rd, and 5th notes of the major scale.

C MAJOR SCALE

The top staff shows the C major scale with note heads and stems. Asterisks above the 3rd, 5th, and 7th notes indicate they are the notes used to build the triad. The bottom staff shows the C major triad with a bass clef, a key signature of one sharp, and a time signature of common time. The notes are labeled 1 through 8, and the triad is labeled 1-3-5.

On instruments like guitar and piano, chords are typically played with all notes ringing at the same time. On bass, they are played in a melodic sequence, called an *arpeggio*. Arpeggios are used in bass lines to outline the chords of a song.

C MAJOR ARPEGGIO

A bass clef staff showing a melodic bass line for a C major arpeggio. The notes are connected by vertical stems.

Major triads can be played in all keys within the universal scale position. The octave is added but isn't considered a new note as it is the same as the root.

A bass clef staff with a key signature of one sharp and a time signature of common time. Above the staff, the letter 'C' indicates the pitch. Below the staff, fingerings are shown: FNG: 2, 1, 4, 4. A corresponding fingering chart below shows the strings: T (Top string), A (A string), B (B string). The fingers used are 3, 2, 5, 5, 2, 3.

But they can also be played this way in any key: Don't try to stretch for the 3rd of the chord; shift up to the 4th finger.

A bass clef staff with a key signature of one sharp and a time signature of common time. Above the staff, the letter 'C' indicates the pitch. Below the staff, fingerings are shown: FNG: 1, - 4, 1, 1. A corresponding fingering chart below shows the strings: T (Top string), A (A string), B (B string). The fingers used are 3, 7, 5, 5, 7, 3.

In many keys, open strings are also available.

A bass clef staff with a key signature of one sharp and a time signature of common time. Above the staff, the letter 'C' indicates the pitch. Below the staff, fingerings are shown: FNG: 2, 1, 0, 4. A corresponding fingering chart below shows the strings: T (Top string), A (A string), B (B string). The fingers used are 3, 2, 0, 5, 5, 0, 2, 3.

When deciding which fingering to use, consider which is most convenient to play, but also consider which sounds better.

Here are the *flat* key major triads with various fingerings. Practice them each way several times, say the note names, and the scale numbers. Once familiar, use a metronome clicking quarter notes.

F MAJOR

OPEN

SHIFT

UNIVERSAL

TAB

1 0 3 3 | 3 3 0 1 | 1 5 3 | 3 3 5 1 | 8 7 10 10 | 10 10 7 8 ||

B♭ MAJOR

OPEN

SHIFT

UNIVERSAL (6th FRET)

TAB

1 0 3 3 | 3 3 0 1 || 1 5 3 3 | 3 3 5 1 || 6 5 8 8 | 8 8 5 6 ||

E♭ MAJOR

OPEN W/SHIFT(S)

UNIVERSAL

T 0 3 8 | 8 3 0 1 || 6 5 8 8 | 8 8 5 6 ||

A♭ MAJOR

OPEN

SHIFT

UNIVERSAL



 FNG: 4 3 1 1 4 8 6 6 8 4 4 3 6 6 6 6 3 4

D♭ MAJOR

SHIFT

UNIVERSAL

Here are the *sharp key* major triads in various fingerings. Practice them the same way.

G MAJOR

OPEN	SHIFT	UNIVERSAL
------	-------	-----------

D MAJOR

OPEN W/SHIFT	SHIFT	UNIVERSAL
--------------	-------	-----------

A MAJOR

OPEN	OPEN/ SHIFT	UNIVERSAL
------	-------------	-----------

FNG: 0 1 4 4 4 4 1 0

E MAJOR

OPEN	OPEN/ SHIFT	UNIVERSAL
------	-------------	-----------

FNG: 0 1 4 4 4 4 1 0

B MAJOR

SHIFT	UNIVERSAL (2nd FRET)	UNIVERSAL (7th FRET)
-------	----------------------	----------------------

THE MINOR SCALE

The **minor scale** has a flattened 3rd scale degree, which gives it a “sadder” quality compared to major. While there are several types of minor scale, we’ll learn what’s called “natural minor.” In addition to the flattened 3rd, it also has flattened 6th and 7th degrees.

C NATURAL MINOR

Scale # 1 2 \flat 3 4 5 \flat 6 \flat 7 8

The natural minor scale also has a universal fingering that will work in any key. It uses the OFPF system and starts on the 1st finger.

67

FNG: 1 3 4 1 3 4 1 3

T
A
B 3 5 6 3 | 5 6 3 5 | 5 3 6 5 | 3 6 5 3 |

Practice the natural minor scale first saying the note names, then saying the scale numbers. Also practice it using this scale sequence.



MINOR SCALE SEQUENCE

TRACK 34

68

Scale # 1 \flat 3 2 4 \flat 3 5 4 \flat 6 5 \flat 7 \flat 6 8 \flat 7 5 8

8 \flat 6 \flat 7 5 \flat 6 4 5 \flat 3 4 2 \flat 3 1 2 5 1

RELATIVE MINOR AND MAJOR

The natural minor scale and the major scale are related to one another. Play the C major scale; the 6th note is A. Now play A natural minor. It contains the same exact notes as C major. This is because A minor is the **relative minor** of C major. They share the same key signature.

A NATURAL MINOR

C MAJOR

To find the relative minor of any major key, count down to the 6th scale degree of that major scale. In reverse, to find the relative major of any minor key, count up to the flat 3rd of that minor scale.

*Understanding how the relative major/minor concept works, you now see that the proper key signature for C minor is actually the same as the key signature for E \flat major: that is, three flats.

To get familiar with the natural minor keys, let's play them first in open position—where possible—and then in the universal natural minor fingering: 1-3-4, 1-3-4, 1-3. Say the note names as you play, and then the scale numbers.

First, here is A minor. Start on the open A string for open position; on the 5th fret, E string for universal.

A MINOR

A musical staff in bass clef. The notes are: A, B, C, D, E, F, G, A. Below the staff are the corresponding note names: A, B, C, D, E, F, G, A.

Now try the *flat key* natural minor scales.

Start on open D for open position; on the 5th fret, A string for universal.

D MINOR

A musical staff in bass clef with a flat sign. The notes are: D, E, F, G, A, B^b, C, D. Below the staff are the corresponding note names: D, E, F, G, A, B^b, C, D.

Start on 3rd fret, E string for open position or universal.

G MINOR

A musical staff in bass clef with two flats. The notes are: G, A, B^b, C, D, E^b, F, G. Below the staff are the corresponding note names: G, A, B^b, C, D, E^b, F, G.

Start on 3rd fret, A string for open position or universal.

C MINOR

A musical staff in bass clef with three flats. The notes are: C, D, E^b, F, G, A^b, B^b, C. Below the staff are the corresponding note names: C, D, E^b, F, G, A^b, B^b, C.

Start on 1st fret, E string for universal. Also try one octave higher, at the 8th fret, A string.

F MINOR

A musical staff in bass clef with four flats. The notes are: F, G, A^b, B^b, C, D^b, E^b, F. Below the staff are the corresponding note names: F, G, A^b, B^b, C, D^b, E^b, F.

Start on 1st fret, A string or 6th fret, E string.

B^b MINOR

A musical staff in bass clef with five flats. The notes are: B^b, C, D^b, E^b, F, G^b, A^b, B^b. Below the staff are the corresponding note names: B^b, C, D^b, E^b, F, G^b, A^b, B^b.

Here are the *sharp key* natural minor scales.

Start on open E for open position; at the 7th fret, A string for universal (one octave higher).

E MINOR

A musical staff in bass clef with a sharp sign indicating one sharp key signature. The notes are E, F#, G, A, B, C, D, E, spanning one octave. Below the staff, the corresponding fret numbers are labeled: E, F#, G, A, B, C, D, E.

Start on 2nd fret, A string for open position or universal. Start on 7th fret, E string for universal.

B MINOR

A musical staff in bass clef with two sharp signs indicating two sharp key signatures. The notes are B, C#, D, E, F#, G, A, B, spanning one octave. Below the staff, the corresponding fret numbers are labeled: B, C#, D, E, F#, G, A, B.

Start on 2nd fret, E string.

F# MINOR

A musical staff in bass clef with three sharp signs indicating three sharp key signatures. The notes are F#, G#, A, B, C#, D, E, F#, spanning one octave. Below the staff, the corresponding fret numbers are labeled: F#, G#, A, B, C#, D, E, F#.

Start on 4th fret, A string.

C# MINOR

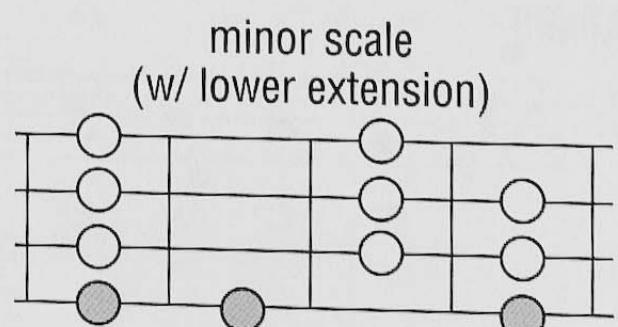
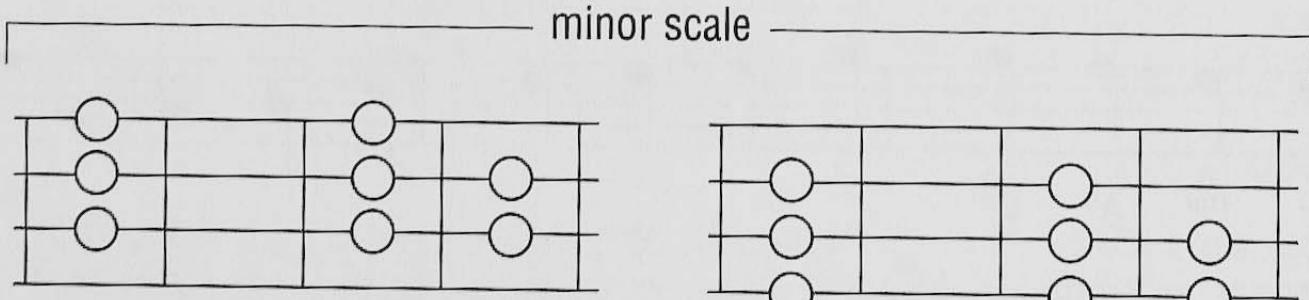
A musical staff in bass clef with four sharp signs indicating four sharp key signatures. The notes are C#, D#, E, F#, G#, A, B, C#, spanning one octave. Below the staff, the corresponding fret numbers are labeled: C#, D#, E, F#, G#, A, B, C#.

Start on 4th fret, E string.

G# MINOR

A musical staff in bass clef with five sharp signs indicating five sharp key signatures. The notes are G#, A#, B, C#, D#, E, F#, G#, spanning one octave. Below the staff, the corresponding fret numbers are labeled: G#, A#, B, C#, D#, E, F#, G#.

For more practice with the minor scales, be sure to play them using the Minor Scale Sequence (on page 32). Here are diagrams of the universal fingering for the minor scale (as well as a lower extension) for your reference:



Identify the keys below. Play the corresponding minor scale, in open or in universal position, saying the note names aloud. Then play the piece.



TRACK 35
SLOW/FAST

HOUSE O' HORROR

69

Gm Cm

D7

Gm

D7



TRACK 36
SLOW/FAST

NOIR

70

Am Dm

Am

Dm

Am

Am



TRACK 37

JAZZ MINOR

71

Fm7 B♭m7 Fm7

B♭m7

Fm7

G7

C7

Fm7

D♭7

G7

C7

Fm7

MODULATION

When a piece of music changes key, it's called a **modulation**. The new key signature is displayed on the staff, and all the new accidentals for that key are in effect until another modulation occurs.

MODULATION

A musical staff in bass clef and common time. It shows a sequence of notes: G, C, D, E, and A. Above the staff, the word "MODULATION" is written. The first three notes (G, C, D) are in a key with one sharp (F#). The next two notes (E, A) are in a key with two sharps (B and F#).



TRACK 38

MINOR MODULATION

Three staves of musical notation for bass clef. The first staff starts at measure 72 with a key signature of one sharp (F#), labeled "Em". It then modulates to a key signature of two sharps (B and F#), labeled "Bm". The second staff begins with a key signature of one sharp (F#), labeled "G". It then modulates to a key signature of one flat (D), labeled "Em". The third staff begins with a key signature of two sharps (B and F#), labeled "1. Em". It then modulates to a key signature of three sharps (G, D, A), labeled "2. Em Fine". The notation includes various note heads and stems, with some notes having vertical stems and others horizontal stems.

This scale exercise modulates every two measures. Keep careful track of the new accidentals as they appear.



TRACK 39

MOD CRAZY

Three staves of musical notation for bass clef. The first staff starts at measure 73 with a key signature of four flats (B, D, G, C), indicated by four underlines below the clef. It then modulates to a key signature of one sharp (F#), indicated by one underline below the clef. The second staff begins with a key signature of one sharp (F#), indicated by one underline below the clef. It then modulates to a key signature of one flat (D), indicated by one underline below the clef. The third staff begins with a key signature of two sharps (B and F#), indicated by two underlines below the clef. It then modulates to a key signature of three sharps (G, D, A), indicated by three underlines below the clef. The notation includes various note heads and stems, with some notes having vertical stems and others horizontal stems.

MINOR TRIADS

Minor triads are built from the minor scale using the root, flat 3rd, and 5th notes.

A MINOR SCALE

A minor scale and chord diagram. The scale is shown on a bass clef staff with note heads and stems. Asterisks above the 3rd, 5th, and 7th notes indicate they are the notes used to build the chord. Below the staff are the note names: 1, 2, ♭3, 4, 5, ♭6, ♭7, 8. To the right, a chord is shown with a circled 8 above it, followed by the note names 1-♭3-5 below it. The staff ends with a double bar line.

Minor triads also have a universal fingering that works in all keys. Again, we add the octave on top.

A MINOR

UNIVERSAL FINGERING

Universal fingering for A minor. The top staff shows a bass clef staff with notes and fingerings: FNG: 1, 4, 3, 3. The bottom staff shows a guitar neck with strings T, A, B. Fingerings are: 5, 8, 7. The staff ends with a double bar line.

Many minor triads can also be played in open position.

A MINOR

OPEN POSITION

Open position fingering for A minor. The top staff shows a bass clef staff with notes and fingerings: FNG: 0, 2, 1, 1, 1, 1, 2, 0. The bottom staff shows a guitar neck with strings T, A, B. Fingerings are: 0, 3, 2, | 2, 2, 3, 0. The staff ends with a double bar line.

Another fingering that is a bit tricky spans across all four strings.

A MINOR

ACROSS 4 STRINGS

Fingering across 4 strings for A minor. The top staff shows a bass clef staff with notes and fingerings: FNG: 4, 2, 1, 1, 1, 1, 2, 4. The bottom staff shows a guitar neck with strings T, A, B. Fingerings are: 5, 3, 2, | 2, 2, 3, 5. The staff ends with a double bar line.

Here are the sharp key minor triads with various fingerings. Practice them each way several times, saying the note names and scale numbers. Once they are familiar, use a metronome clicking quarter notes.

E MINOR

OPEN

UNIVERSAL

The first measure shows an open position triad (E-G-B) with note heads on the 4th, 3rd, and 2nd strings respectively. The second measure shows a universal position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 0, 3, 2 and the second with fingers 2, 2, 0. The second set shows the first measure with fingers 3, 0, 0 and the second with fingers 7, 10, 9. The third measure shows a universal position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 2, 0, 4 and the second with fingers 4, 0, 2. The second set shows the first measure with fingers 2, 5, 4 and the second with fingers 4, 5, 2. The third measure shows a universal position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 7, 5, 4 and the second with fingers 4, 5, 7. The second set shows the first measure with fingers 7, 10, 9 and the second with fingers 9, 9, 10. The third measure shows a universal position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 7, 10, 9 and the second with fingers 9, 9, 10. The second set shows the first measure with fingers 7, 10, 7 and the second with fingers 10, 7.

B MINOR

OPEN

UNIVERSAL 2nd POS.

ACROSS 4 STRINGS

UNIVERSAL 7th POS.

The first measure shows an open position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. The second measure shows a universal position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. The third measure shows an across 4 strings triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. The fourth measure shows a universal position triad (B-D-G) with note heads on the 5th, 4th, and 3rd strings respectively. Below the staff are four sets of TAB notation. The first set shows the first measure with fingers 2, 0, 4 and the second with fingers 4, 0, 2. The second set shows the first measure with fingers 2, 5, 4 and the second with fingers 4, 5, 2. The third set shows the first measure with fingers 7, 5, 4 and the second with fingers 4, 5, 7. The fourth set shows the first measure with fingers 7, 10, 9 and the second with fingers 9, 9, 10. The fifth set shows the first measure with fingers 7, 10, 9 and the second with fingers 9, 9, 10. The sixth set shows the first measure with fingers 7, 10, 7 and the second with fingers 10, 7.

F# MINOR

OPEN

UNIVERSAL

The first measure shows an open position triad (F#-A-C#) with note heads on the 4th, 3rd, and 2nd strings respectively. The second measure shows a universal position triad (C#-E-G) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 2, 0, 4 and the second with fingers 4, 0, 2. The second set shows the first measure with fingers 2, 5, 4 and the second with fingers 4, 5, 2. The third measure shows a universal position triad (C#-E-G) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 2, 5, 4 and the second with fingers 4, 5, 2. The second set shows the first measure with fingers 5, 2 and the second with fingers 5, 2.

C# MINOR

UNIVERSAL

ALTERNATE (W/ SHIFT)

The first measure shows a universal position triad (C#-E-G) with note heads on the 3rd, 2nd, and 1st strings respectively. The second measure shows an alternate position triad (C#-E-G) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 4, 7, 6 and the second with fingers 6, 7, 4. The second set shows the first measure with fingers 4, 2, 6 and the second with fingers 6, 6, 2. The third measure shows a universal position triad (C#-E-G) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 4, 7, 6 and the second with fingers 6, 7, 4. The second set shows the first measure with fingers 4, 2, 6 and the second with fingers 6, 6, 2. The fourth measure shows an alternate position triad (C#-E-G) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 4, 1, - and the second with fingers 4, 1, -.

G# MINOR

UNIVERSAL

ACROSS 4 STRINGS

The first measure shows a universal position triad (G#-B-D) with note heads on the 3rd, 2nd, and 1st strings respectively. The second measure shows an across 4 strings triad (G#-B-D) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 4, 7, 6 and the second with fingers 6, 6, 7. The second set shows the first measure with fingers 4, 2, 1 and the second with fingers 1, 1, 2. The third measure shows an across 4 strings triad (G#-B-D) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 4, 7, 6 and the second with fingers 6, 6, 7. The second set shows the first measure with fingers 4, 2, 1 and the second with fingers 1, 1, 2. The fourth measure shows a universal position triad (G#-B-D) with note heads on the 3rd, 2nd, and 1st strings respectively. Below the staff are two sets of TAB notation. The first set shows the first measure with fingers 4, 7, 6 and the second with fingers 6, 6, 7. The second set shows the first measure with fingers 4, 2, 1 and the second with fingers 1, 1, 2.

Here are the flat key minor triads.

D MINOR OPEN W/ SHIFT OPEN W/ SHIFT UNIVERSAL

The notation shows three staves of musical notes. The first staff is labeled 'OPEN W/ SHIFT' and consists of two measures of eighth-note chords. The second staff is also labeled 'OPEN W/ SHIFT' and has two measures. The third staff is labeled 'UNIVERSAL' and has three measures. Below each staff is a corresponding tablature staff with note positions indicated by numbers (e.g., 0, 3, 2, 7) and letter heads (T, A, B).

G MINOR OPEN UNIVERSAL

The notation shows two staves. The first staff is labeled 'OPEN' and has two measures of eighth-note chords. The second staff is labeled 'UNIVERSAL' and has three measures. Below each staff is a corresponding tablature staff with note positions indicated by numbers (e.g., 0, 3, 1, 0, 0, 0) and letter heads (T, A, B).

C MINOR OPEN W/ SHIFT UNIVERSAL

The notation shows two staves. The first staff is labeled 'OPEN W/ SHIFT' and has two measures of eighth-note chords. The second staff is labeled 'UNIVERSAL' and has three measures. Below each staff is a corresponding tablature staff with note positions indicated by numbers (e.g., 3, 1, 0, 5, 5, 0, 1, 3) and letter heads (T, A, B).

F MINOR UNIVERSAL 1st POSITION UNIVERSAL 8th POSITION

The notation shows two staves. The first staff is labeled 'UNIVERSAL 1st POSITION' and has two measures of eighth-note chords. The second staff is labeled 'UNIVERSAL 8th POSITION' and has four measures. Below each staff is a corresponding tablature staff with note positions indicated by numbers (e.g., 1, 4, 3, 3, 3, 3, 4, 1, 8, 11, 10, 10, 10, 11, 8) and letter heads (T, A, B).

B♭ MINOR UNIVERSAL UNIVERSAL 6th POSITION ACROSS 4 STRINGS

The notation shows three staves. The first staff is labeled 'UNIVERSAL' and has two measures of eighth-note chords. The second staff is labeled 'UNIVERSAL 6th POSITION' and has four measures. The third staff is labeled 'ACROSS 4 STRINGS' and has five measures. Below each staff is a corresponding tablature staff with note positions indicated by numbers (e.g., 1, 4, 3, 3, 3, 3, 4, 1, 6, 9, 8, 8, 8, 8, 9, 6, 6, 4, 3, 3, 3, 3, 4, 6) and letter heads (T, A, B).

Use your knowledge of triads—both minor and major—to play through these next pieces.



TRACK 40

BOGEY MAN

74 Em Am

To Coda 1. Bm 2. G

Coda Bm Em

D.C. al Coda

This reggae tune has a tricky modulation, from 5 sharps to 4 flats.



TRACK 41

ROOTS

A G♯m

75

B C♯m F♯m 1. D♯ 2. G♯m

B Fm B♭m Fm

Fm F♯m D♯ G♯m

Often songs in minor keys will modulate to the relative major key. This has a swingy, old time jazz feel; give the eighth notes a bouncy feel.



TRACK 42

GYPSY SWING

A

Am

Dm

76

E7

Am

Fine

B

C

G

C

B

E

D.C. al Fine

Of course, minor triads are not restricted to minor keys. This rhumba in G major includes several minor triads.



ROOM-BA WITH A VIEW

TRACK 43

A

G

Em

G

C

Am

D7

G

B

Bm

Am

Bm

Am

C

Am

D7

G

EIGHT-NOTE TRIPLETS

Triplets manage to squeeze three notes into the space of one. For example, instead of dividing the quarter note in half as in regular eighth notes, it is split into thirds—resulting in eighth-note triplets.

8TH NOTES

TRIPLETS

$\frac{3}{8}$

$\frac{3}{8}$

$\frac{3}{8}$

$\frac{3}{8}$

1 + 2 + 3 + 4 + tri - pl - et tri - pl - et tri - pl - et tri - pl - et

Evenly space the word “tri-pl-*et*” starting on each quarter note; make sure they feel relaxed and “round.” In pick style playing, triplets can represent a real challenge. Be sure to keep downstrokes on downbeats (1, 2, 3, and 4). This means either playing all downstrokes, or using a downstroke-upstroke-downstroke combination.

78

COUNT: 1 tri-pl-et 3 tri-pl-et tri-pl-et tri-pl-et 3 4 1 2 tri-pl-et 4 1 tri-pl-et tri-pl-et 4

79 **COUNT:** tri-pl-et tri-pl-et tri-pl-et 4 tri-pl-et 2 (3) tri-pl-et 1 + 2 + tri-pl-et 4 1 tri-pl-et 3 tri-pl-et

Triplets can also be written with a connecting bracket—for example, if there is a rest within the triplet. When an eighth-note rest is placed within the triplet bracket, it becomes an eighth-note triplet rest. The missing syllable is a place marker.

COUNT: tri - pl - et tri - pl - et (tri) - pl - et 4 tr - pl - et (tri) - pl - et 3 4 (tri) - pl - et (tri) - pl - et tri - pl - et 4

A musical score for page 81, featuring a bass clef and a common time signature. The score consists of two staves of music. The first staff begins with a sixteenth-note pattern followed by a measure of three eighth notes. The second staff begins with a sixteenth-note pattern followed by a measure of three eighth notes.

COUNT: 1 (tri-pl)-et 3 (tri-pl)-et 1 2 tri-pl-et (tri-pl)-et 1 (tri-pl)-et tri-pl-et (tri-pl)-et 1 2 tri-pl-et (tri-pl)-et

This bass line has a 12/8 feel. Notice how the drum part breaks up the beat with triplets on the hi-hat.



TRACK 44

THE '50S

82

C 3 Am 3 Dm G 3

1 tri - pl - et 3 tri - pl - et 3

A bass line diagram showing a continuous bass clef staff. The staff is divided into measures by vertical bar lines. Above the staff, the key signature changes are indicated: C major, Am, Dm, G7, To Coda, F major, and Fm. Measure 1 starts in C major with a quarter note. Measures 2-3 start in Am with eighth-note pairs. Measure 4 starts in Dm with eighth notes. Measures 5-6 start in G7 with eighth notes. Measure 7 starts with a fermata over the first two notes of a measure, followed by a colon, indicating a repeat. Measures 8-9 start in F major with eighth-note pairs. Measure 10 starts in Fm with eighth notes. Measure 11 ends with a bass note followed by a fermata and a '3' above it, indicating a three-measure rest or a repeat.

A bass clef musical staff showing a sequence of notes. The staff begins with a measure labeled 'C' containing two eighth notes. This is followed by a measure labeled 'A7' containing three eighth notes. The next measure, labeled 'D', contains four eighth notes: the first two are grouped by a brace above them, and the last two are grouped by a brace below them. The following measure, labeled 'G', contains three eighth notes. The final measure is labeled 'D.C. al Coda' and contains three eighth notes.

Coda

— 3 —

12/8 TIME

Sometimes, triplet-based music is notated in **12/8 time**. In 12/8, there are twelve eighth notes in each measure. However, the dotted quarter note () gets the emphasis—so the feel is still essentially four beats per measure, with each beat divided into three eighth notes.

This movable box shape line takes advantage of the open D string to facilitate the position shift.



TRACK 45
SLOW/FAST

BUMPIN'

83

Bm

A musical score for a bassoon part, showing measures 11 and 12. The key signature is A major (two sharps). The time signature is 12/8. The bassoon plays eighth-note patterns consisting of sixteenth-note pairs. Measure 11 starts with a sixteenth note followed by a pair of eighth notes, then a sixteenth note followed by a pair of eighth notes. Measure 12 starts with a sixteenth note followed by a pair of eighth notes, then a sixteenth note followed by a pair of eighth notes.

The musical score shows the bass line for measures 11 and 12. The key signature changes to E major (no sharps or flats). The bass line consists of eighth-note patterns. Measure 11 starts with a bass note followed by an eighth note, then a sixteenth-note grace followed by a quarter note. Measure 12 begins with a bass note followed by an eighth note, then a sixteenth-note grace followed by a quarter note.

Fretboard diagram for the first measure of the C major scale. The diagram shows six strings with the following fingerings: string 6 (low E) has a 7; string 5 has a 7; string 4 has a 5 and a 6; string 3 has a 7; string 2 has a 7; string 1 has a 9, 7, and 0. The 0 indicates an open string.

THE SHUFFLE RHYTHM

A popular rhythm based on eighth-note triplets is the **shuffle**. It is the foundation of most blues, as well as being used in many other styles. The shuffle uses the 1st and 3rd beats of an eighth-note triplet to create a familiar “stuttering” feel.

TRIPLETS

SHUFFLE

tri - pl - et tri - (pl) - et

The shuffle can also be written and played with a longer, smoother feel. In this case, the first two beats of the eighth-note triplets are joined, adding up to a quarter note. Because triplets can be cumbersome to read, this feel is also sometimes notated simply as eighth notes, but with a shuffle indication ($\overline{J} = \overline{J} \overline{J}$) at the start of the piece.

LONG/SMOOTH

($\overline{J} = \overline{J} \overline{J}$)

Here are some classic shuffle feels. This first one is of the “long/smooth” type.



TRACK 46

OLD DAYS

84

[A] ($\overline{J} = \overline{J} \overline{J}$)
B♭

F7

B♭

Cm

F7

[B] Dm

Gm

Dm

E♭

B♭

Cm

F7

B♭

Here's shuffle-ized version of the classic blues line in A. This variation has the flattened 7th scale degree instead of the octave for the top note.



TRACK 49

CLASSIC FLAT 7

87

Musical score for bass guitar, page 87, featuring four staves of music with chords A7, D7, E7, and D7.

The score consists of four staves, each with a bass clef and a key signature of two sharps. The time signature is common time (indicated by a '4'). The music is divided into measures by vertical bar lines. Each measure contains six eighth-note strokes. Measures are grouped by vertical brackets under each staff, with the number '3' written below each bracket, indicating a triplets grouping. Chords are labeled above the staff at the beginning of each group of measures:

- Staff 1: A7
- Staff 2: D7
- Staff 3: A7
- Staff 4: D7

Chords are also labeled above the staff in the middle of each group of measures:

- Staff 1: A7
- Staff 2: D7
- Staff 3: E7
- Staff 4: E7

Measure numbers are present on the left side of the first and third staves.

This tune has a gospel feel.



TRACK 50

ROLLIN'

88

88

A C♯m A C♯m A

Bm D 3
A 3
To Coda Bm 3 E

B F♯m A 3 F♯m A 3

D C♯m Bm A 3 D C♯m Bm A E D.C. al Coda 3

Coda A



TRACK 51

GO ON

(♩ = ♪)

G7

89

Bass clef staff showing measures 89-90. Measure 89 starts with a G7 chord. Measure 90 begins with an Em chord.

Em

F

G7

To Coda ⊕

C

D

Em

Bass clef staff showing measures 91-92. Measures 91-92 continue the bass line with chords Em, F, G7, and Em.

C

Em

C

Em

Bass clef staff showing measures 93-94. Measures 93-94 continue the bass line with chords C, Em, C, and Em.

C

Am

D

D.C. al Coda

Bass clef staff showing measures 95-96. Measures 95-96 continue the bass line with chords C, Am, D, and D.

⊕ *Coda*

C

D

C

D

Bass clef staff showing measures 97-98. Measures 97-98 continue the bass line with chords C, D, C, and D.

B♭

C

G

Bass clef staff showing measures 99-100. Measures 99-100 continue the bass line with chords B♭, C, G, and G.

THE CHROMATIC WALKUP



TUNING NOTES

TRACK 1

The **walkup** is a classic pattern used in rock, R&B, gospel, funk, blues, and many other styles. It starts on the root of a chord and uses a chromatic (half-step) motion to return to the root.

The simplest version of this is a one-measure pattern that drops from the root to the 6th and then moves back up.

D7

1

FNG: 4 1 2 3

The walkup can also drop down to the 3rd of the lower octave for a longer buildup.

D7

2

FNG: 4 1 2 3 4 1 2 3

The following walkup moves up to the octave. To get back to the starting note, it drops to the 3rd and goes up to the 5th. It jumps down a 7th in the middle of the pattern to finish back at the root. Notice where the shift happens.



TRACK 2

D7

3

FNG: 2 1 2 3 4 1 2 3 4 1 2 3 4 - 1 2 3

T A B

5 4 5 6 | 7 4 5 6 | 7 4 5 6 | 7 2 3 4 .

TIP: The pattern above is based on a universal fingering (one-finger-per-fret), so it's movable to any root, chord, or key. Try it on another root on the E or A string. (The shorter versions shown above are also movable.)

This extended version of the walkup alternates between low and high movement. It's a great way to keep the bass line interesting over a long section of one chord. Notice the shifts.



TRACK 3

D7

4

FNG: 4 1 2 3 4 1 2 3 - 2 1 2 3 4 1 2 3

TAB: 5 2 3 4 5 2 3 4 5 4 5 6 7 4 5 6

4 1 2 3 4 - 1 2 3 4 1 2 3 4 1 2 3

7 4 5 6 7 2 3 4 5 2 3 4 5 2 3 4 .

The walkup can be played in any key, but the fingering does change in open position. Also, notice how the line has been modified at the end to bring it back to the E chord.



TRACK 4
SLOW/FAST

OPEN UP

E7

5

FNG: 0 4 0 1 - 1 4 0 1 - 1 4 0 1 - 1 4 0 1

TAB: 0 4 0 1 | 2 4 0 1 | 2 4 0 1 | 2 4 0 2

A7

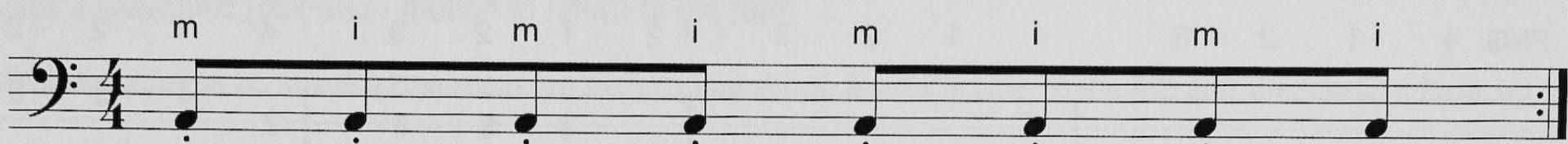
0 4 0 1 - 1 4 0 1 - 1 4 0 1 - 1 0 4 1

0 4 0 1 | 2 4 0 1 | 2 4 0 1 | 2 0 4 2 .

STACCATO

Playing your notes short is called **staccato**. The little spaces in between each note gives the bass line a “pumping” feel. Staccato is indicated by a small dot (•) above the note.

Here's how it's done: Play the first note with either the index (i) or middle (m) finger. Before playing the next note, place the alternate finger on the string and stop its vibration. Then play the next note. Practice this slowly first, then gradually increase the tempo.



If playing pick style, use your left hand to stop the string's vibration.

This classic variation on the chromatic walkup is known as the “double stroke.” Make each note even and consistent. It's written staccato, but also experiment with different note lengths. Start on the 4th finger using the 1-2-4 fingering system, but switch to one-finger-per-fret (OFPF) in measure 3. When you repeat, use the 1st finger to play the low C.



TRACK 5
SLOW/FAST

DOUBLE UP

6 C7

FNG: 4 0 1 2 4 0 1 2 - 2 1 2 3 4 1 2 3 4

T A B 3 3 0 0 1 1 2 2 | 3 3 0 0 1 1 2 2 | 3 3 2 2 3 3 4 4 | 5 5 2 2 3 3 4 5 .

Here are two ways of notating a syncopated eighth-note rhythm. They sound identical, but the untied version is less confusing to the eye.

USING TIES

COUNT: 1 + (2) +

UNTIED

COUNT: 1 + (2) +



TRACK 6

REZ - Q

7 C7

play 4 times

COUNT: 1 2 3 + (4) + (1) + 2 + 3 4

T A B 3 0 1 2 3 | 0 0 1 2 3 | 0 0 1 2 3 | 2 3 .

This moves the walkup through several chord changes. Slowly count your way through the extended syncopation in measures 6 and 7.



TRACK 7
SLOW/FAST

CURTIS

8

G7 C7

COUNT: 1 2 3 + (4) +

T A B

3 3 2 3 4 5 | 5 2 2 3 4 5 | 3 0 1 2 3 | 0 1 2 3 2 3 4

D7 C7 G7 D7

1 2 3 + (4) + (1) + (2) + (3) + (4) +

5 2 3 4 5 2 | 3 2 3 4 5 | 2 3 4 5 | 5 0 0 1 1 2 2 .



TRACK 8

KICKIN' IT

9

F7 B♭7 F7 B♭7

FNG: 1 0 1 2 4 0 1 2 4 2 4 0 1 2 4

B♭7 E♭7 1. B♭7 To Coda ⊕

1 0 1 4 - 4 0 1 4 2 1 1 -

2. B♭7 Am

0 i 2 3

D7 G7

4 1 2 3 4 1 2 3 4 0 1 2 - 2 1 2 3 4 1 2 3 4 0 1 2

C7 D.C. al Coda ⊕ Coda F7

4 0 i 2 4 0 1 2 4 0 4 2 1

SIXTEENTH NOTES

Sixteenth notes break each quarter note into four equal subdivisions. They are counted, “1-ee-and-uh, 2-ee-and-uh,” etc. In groups, sixteenth notes are written with a double beam connecting them. Separately, they have a double “flag.”



COUNT: 1 e + a 2 e + a 3 e + a 4 e + a

Practice sixteenths slowly, aiming for consistent volume and tone. Once you are comfortable, use a metronome clicking quarter notes to gauge your rhythmic accuracy.

Fingerstyle, keep alternating between index (i) and middle (m) fingers. Pick style, observe the downstroke (■) and upstroke (▽) indications shown.

10

COUNT: 1 2 3 + 4 e + a 1 2 e + a 3 4 e + a 1 2 3 e + a 4 1 + 2 e + a 3 4

11

COUNT: 1 e + a 2 + 3 4 + 1 e + a 2 e + a 3 + 4 1 (2) 3 4 + 1 e + a 2 e + a 3 (4)

The quarter note can be broken up many ways using sixteenths. When an eighth and two sixteenths are combined, it is helpful at first to count the silent sixteenth (“ee”) during the eighth note.

12

COUNT: 1 2 + 3(e)+ a 4 + 1(e)+ a 2(e)+ a 3 4(e)+ a 1 2 + 3(e)+ a 4(e)+ a 1 (e)+ a 2 (e)+ a 3 4

The same is true for two sixteenths and an eighth.

13

COUNT: 1 2 e +(a) 3 4 1 e +(a) 2 3 e +(a) 4 1 + 2 e +(a) 3 4 + 1 + 2 e +(a) 3 e +(a) 4



TRACK 9

ONE DROP

Am

E7

Am

14

COUNT: 1 2 e + a 3 + 4

C

G

C

Am

1 + a 2 e + a 3 + 4

TRACK 10
SLOW/FAST

DADA DADAT

Dm

B^b

Gm

A7

15

Dm

B^b

C

Dm

TRACK 11
SLOW/FAST

JOG WHEEL

B^bE^b

Cm

16

F

Gm

E^b

Cm

F

B^b

SIXTEENTH RESTS

Sixteenth rests take up the same space as sixteenth notes. They look similar to eighth rests, but they have a double flag (instead of a single) to match the double flag of a sixteenth note.



COUNT: 1 e + a (2) e + a 3 (e) + a 4 e (+) a

To play sixteenth rests, you'll need to stop the string from vibrating. Use the same technique you used to play staccato: first play a note with either the index (i) or middle (m) finger; then place the alternate finger on the string and stop the vibration. If playing pickstyle, use your left hand to mute the string (observe the picking indications shown).

17

COUNT: 1 (2) e + a 3 (4) e + a 1 2 (e) + a 3 4 (e) + a 1 2 e + (a) 3 4 e + (a) (1) e + a 2 3 (e) + 4

18

COUNT: 1 e (+) a 2 3 e (+) a 4 1 + 2 e (+) a (3) e + a 4 (1) e + a 2 + 3 (e) + a 4 1 2 3 e + (a) 4

Now count for yourself; do it slowly.

19

Here is an example that combines sixteenth-note rhythms and rests with the C major scale.

20

Notice the sixteenth-note **anticipation** in the last measure; the E is played slightly ahead of the beat.



TRACK 12

LAYIN' BACK

21

E A

E B A E A B E

Keep track of the missing downbeats; it will help you hit the sixteenth-note offbeats with greater assurance.



TRACK 13

NAZZ - T

22

FNG: 4 1

2 4 4 1 2 4 1 4 1 4 4 1 2



TRACK 14
SLOW/FAST

PLUTONIC

23

A7 D7 A7

FNG: 4 1 2 3 4 1 2 3 4

D7 C7 G7

4 3 1 4 2 0 1 2 4 0 2 4 0 1 - 2 2 1 4 2

C7 E7 A7

2 0 1 2 4 0 2 4 4 0 1 4 1 1 0 -

FUNKY SIXTEENTH-NOTE SYNCOPATION

Syncopated sixteenth notes are the essence of funk, Latin, and rock music. Though they are challenging to look at, the rhythms are very familiar to the ear. The key is learning to recognize the sound that matches the picture.

This rhythm uses a **dotted eighth note** and a sixteenth. Remember that a *dot* equals one half of whatever value it is placed after. So a dotted eighth note equals the value of one eighth plus a sixteenth (or three sixteenths).

The first example shows a dotted eighth note followed by a sixteenth note, with the count below: 1 (e) (+) a. The second example shows a dotted eighth note followed by another dotted eighth note, with the count below: 1 (e +) a.

An easy way to remember this rhythm is to give it a name that sounds like it. Call it “oo-(ka-chu)-bop.”

A single measure of bass line with lyrics "oo (ka chu)" and "bop" underneath. The bass note is on the first beat, followed by a sixteenth note rest, then another bass note on the third beat.

24

oo (ka chu) bop oo (ka chu) bop oo (ka chu) bop oo (ka chu) bop

COUNT: 1 2 e + a 3 (e +) a (4) 1 (e +) a (2) 3 (e +) a (4) 1 e + a 2 + 3 (e +) a (4)

25

COUNT: 1 + 2(e+)a 3 e + a 4 1 + 2(e+)a 3(e+)a 4



TRACK 15
SLOW/FAST

OOKACHU WHA?

26

FNG: 1 0 4 4 1 1 4 1 0 4

F7

A bass line in 4/4 time in F7 chord, starting with a bass note on the first beat. The bass line consists of eighth and sixteenth notes.

A version of “ookachubop” uses a **dotted eighth rest** and a sixteenth note. Say the “ookachu” silently; it will help you play it correctly. This rhythm can be used alone as an upbeat syncopation, or in front of another note as a “pickup” beat.

Musical notation for 'ookachu' bop 2 and 'ookachu' bop 4. The notation consists of two measures on a bass clef staff. The first measure shows a 'bop' followed by a vertical bar. The second measure shows a 'bop' followed by a vertical bar, then a '2' above the staff, followed by another 'bop' and a vertical bar.

A musical score for 'Ookachu' featuring a bass clef, a 4/4 time signature, and a key of B-flat major. The score consists of six measures of music. The lyrics '(ookachu) bop' are repeated at the beginning of each measure. Below the staff, a count pattern is provided: (1 e +) a 2 (3 e +) a 4 + 1 + (2 e +) a 3 + (4 e +) a (1 e +) a (2) (3 e +) a (4) +.



GROOVE

TRACK 16

SLOW/FAST

B^b

Dm G Cm F

E^b

Gm

Cm

Gm

Cm Dm E^b F

FNG: 1

29

Call this new rhythm “check-on-dat.”

1 e (+) a = check on dat

check on dat check on dat
check on dat check on dat
check on dat check on dat

30

COUNT: 1 e (+) a (2) 3 e (+) a 4 + 1 e + a 2 e (+) a 3 + 4 e (+) a 1 + 2 e (+) a 3 e (+) a 4

31 



COMBO

TRACK 17

32

WACK 17

G C A D B Em Am D

FNG: 2 0 1 2 4 0 1 - 1 1 1 0 0 0 1 0

This next rhythm is similar to “check on dat”; it hits on the “e” and “a” of the beat. Call it “(chk) got - dot”; the (chk) is spoken as a place marker but not played.

(1) e (+) a

(chk) got - dot

(chk) got - dot (chk) got - dot (chk) got - dot
 (chk) got - dot (chk) got - dot

33

COUNT: (1) e (+) a (2)e (+) a 3 + 4 1(e+)a (2e)+ a (3) e (+) a 4 1 + 2 e + a (3)e (+) a (4)

34

COUNT: (1) e (+) a 2 (3) e (+) a 4 (e) + a 1 (e+) a 2 + 3 e + a (4) e (+) a



MINOR GLITCH

TRACK 18

F#m

35

FNG: 1 1 4 1 0 4 0 4 1 4 0 1 4

T A B
2 2 2 0 4 0 4 2 4 0 0 2 4

F#m A G# G F#m

1 1 4 1 0 4 1 0 4 2 1 4 1 4 1

2 2 2 0 4 2 0 0 0 4 3 2 2 4 2 4 2 4 2

A E F#m A E F#m

0 4 0 1 4 1 4 1 0 4 0 1 0 0 0 0 4 4 4 4 0 2

This rhythm hits on the downbeat and the “e.” A good name for it is “chick-en.”

1 e (+) a

chick - en

36

COUNT: 1 2 + 3 e(+a) 4 e(+a) 1 e + a 2 e(+a) 3(e+) a 4 e(+a) 1 e(+a) 2 (e+a) 3 + 4 e (+a)

37

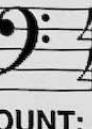
COUNT: 1 + 2 e (+ a) (3) e (+) a 4 e (+ a)

A variation of “chick-en” uses a rest on the downbeat, making the “chick” silent.

(1) e (+) a

(chick) - en

(chick)-en (chick)- en (chick)-en (chick)-en

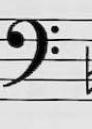
38  COUNT: 1 (2) e (+ a) 3 (4) e (+ a) 1 + (2 e +) a 3 (e +) a (4) e (+ a) 1 + (2) e (+ a) 3 e (+) a 4

It's interesting to combine the "names" for different rhythms. Creating rhythmic "sentences" like this can help you remember tricky rhythms and play them with assurance. When you first look through this example, see how many rhythm "names" you can identify.



TRACK 19

DO IT NOW

39  Cm G Fm

4 1 0 1 4 1 4 2 1 4 4 1 0 1 4 4

Cm B♭ Cm B♭

4 1 0 4 0 1 2 4

1. G 2. G C

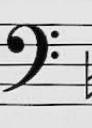
4 2 4 - 4 0 2 4 0 4 2 4 - 4 0 2 4 1 4

When taking the repeat back to measure 1, play the low G with the first finger. Switch back to open when you play the A.



TRACK 20
SLOW/FAST

SOUL GROOVE

40  Gm C7 Gm

COUNT: 4 0 1 2 4 0 1 2 4 0 1 2 1 2 -

C7 F7 B♭7

2 1 2 3 4 1 0 1 2 4 1 0 1 2 4 4

F7 D7

4 0 1 2 4 0 - 1 2 4 0 1 2 4 1 4

Gm

4 4 1 4 1 - 1 1 4 4 1 4 -



D - TROT

TRACK 21

Dmaj7

41

Dmaj7

Gmai7

To Coda Ø

Em A

A musical score for bass guitar. The top staff shows a bass clef, a key signature of two sharps, and a time signature of common time. The notes are primarily eighth notes, with some sixteenth-note patterns and grace notes. The bottom staff is a tablature showing the position of the bass strings. Below the tablature are two rows of numbers indicating fingerings: the first row above the strings and the second row below them. The music consists of four measures followed by a repeat sign and another four measures.

1 - 2 4 1 4 1 1 4 1 1 - 1 4 1 4

3 6 7 5 7 5 5 7 5 | 5 5 4 4 7 7 7 5 7 .

2

Em A Bm

D major
4/4

1 - 1 4 1 2 4 2 1 1 1 2 3

5 5 4 4 7 7 7 5 6 7 7 5 4 4 4 5 6

F

Bm

G

P.C. *et al.* Coda

∅ Coda

A

Dmai7

Dhrupad

120

Bass clef, 2 sharps, 4/4 time.

7 7 7 7 7 7 5 5 7 5 5 5

SEVENTH CHORDS

Seventh chords are four-note structures that contain the familiar major and minor triads—root, 3rd, and 5th—plus one more note, the 7th. There are several types of seventh chord; we'll look at the three most common.

MAJOR SEVENTH

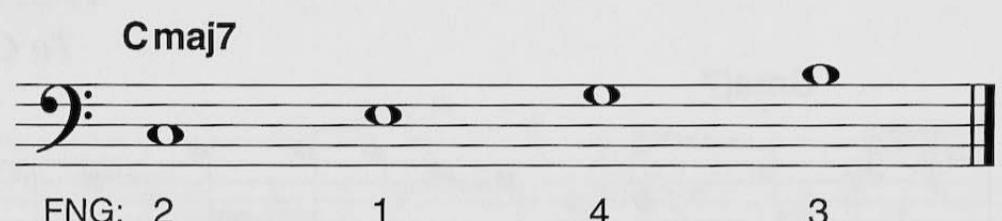
The major seventh chord is built 1-3-5-7. The chord symbol is written as “maj7,” though some books write it as “M7” or “Δ7”. There is a universal fingering for the major seventh chord that allows you to play it in any key.

Cmaj7



SCALE # 1 3 5 7

Cmaj7



FNG: 2 1 4 3

When you practice these arpeggios, become familiar with the specific note names that “spell” each chord. Try the universal fingering, as well as open fingerings where indicated.

Cmaj7



FNG: 2 1 0 4

Gmaj7



Dmaj7



Amaj7



Emaj7



FNG: 0 4 2 1

Bmaj7



Fmaj7



FNG: 1 0 4 2

B^bmaj7



E^bmaj7



A^bmaj7



D^bmaj7





TRACK 22

FLOATY

Cmaj7

Fmaj7

Cmaj7

Fmaj7

42

FNG: 2 1 4 3 1 4 2 2 1 2 0 1 4 4 1 4 3 1 1 2 1 2 0

B♭maj7

Amaj7

Dmaj7

Gmaj7

1 0 4 2 4 0 1 0 1 4 3 2 1 4 3 4 1 2 - 2 1 4 3 1 4

The tablature will help you find the best positions for this example, but experiment with other ways to play it.

VANILLA

TRACK 23

E♭maj7

A♭maj7

43

FNG: 2 1 2 - 1 2 2 2 1 4 3 4 3

T	6	5	8	7	5	8	6	5	8	7	5	8	6	5	6	5
A																
B																

E♭maj7

Gmaj7

2 1 2 - 1 2 4 3 4 1 2

6	5	8	7	5	8	6	5	8	7	5	8	5	4	5	2	3

Bmaj7

D♭maj7

E♭maj7

2 1 4 3 4 3 6 5 6 8 7 8 5 6

DOMINANT SEVENTH

Dominant seventh chords are also known simply as "7" chords, as in "G7" or "A7."

They are built 1-3-5- \flat 7, and the universal fingering is 2-1-4-2.

C7

SCALE # 1 3 5 \flat 7

C7

FNG: 2 1 4 2

Remember to learn the names of the notes in each chord, and find alternate fingerings. Practice the universal fingering, as well as open fingerings, where indicated.

C7

FNG: 2 1 0 2

G7

FNG: 2 1 0 2

D7

FNG: 0 3 1 4

A7

FNG: 0 4 1 0

E7

FNG: 0 4 1 0

B7

FNG: 1 0 4 1

F7

FNG: 1 0 4 1

B \flat 7

FNG: 1 0 4 1

E \flat 7

:|

A \flat 7

:|

D \flat 7

:|

The blues is always full of dominant seventh chords; here is a classic example of how to use the arpeggio to create a bass line.



TRACK 24

LIL' THING

44

G7

FNG: 2 1 4 2 2 1 4 2

C7

G7

D7 C7 G7



TRACK 25

FUNK TIME

45

A B^b7

FNG: 1 0 4 1 4

D^b7 C7 B7

1. 2. B F7 A^b7

B^b7 G7

A^b7 A7

MINOR SEVENTH

Minor seventh chords are built 1- \flat 3-5- \flat 7. They can be written "m7" as in "Am7" (or "min7" as in "Amin7").

There are two universal fingerings for a minor seventh chord; they are best illustrated with Am7.

Am7

SCALE # 1 \flat 3 5 \flat 7

Am7

FNG 1: 1 4 3 1
FNG 2: 4 2 1 4

Say the note names aloud as you play each arpeggio. Try both universal fingerings, and open fingerings where indicated.

Am7

FNG: 0 2 1 0

Em7

FNG: 0 2 1 0

Bm7

FNG: 1 0 4 1

F#m7

FNG: 1 0 4 2

C#m7

G#m7

Dm7

Gm7

FNG: 4 1 0 4

Cm7

FNG: 4 1 0 4

Fm7

Bbm7



TRACK 26

LITTLE M

Am7

Dm7

G7

46

FNG: 4 2 1 4 1 1 4 1 4 1 4 2 1 4 3 1 4 1

F

G

Am7

Em7

FNG: 2 4 4 4 4 4 2 4 2 1 4 3 1 4 1 4 1 2 0

This piece is played with a shuffle, or swing, feel. Be sure to play the eighth notes “unevenly”—i.e., as if they were the first and third notes of a triplet. The shuffle indication ($\text{ } \text{ } = \text{ } \text{ }$) tells you this.



SHUFFLIN'

TRACK 27

 $\text{ } \text{ } = \text{ } \text{ }$

A

Gm7

47

FNG: 1 4 3 1 3 1 3 1 0 1 2 1 4 3 1 3 1 3

T
A
B

3 3 6 5 3 5 5 3 5 3 3 0 0 1 1 2 2 3 3 6 5 3 5 5 3 5

Cm7

1 0 1 2 3 3 5 5 3 3 3 6 5 3 5 5 3 3 3 6 6 5 5 3 4 5

Gm7

D7

B B^{\flat} m7

3 5 5 3 5 3 3 4 5 1 1 4 4 3 3 1 2 3

Cm7

D7

Gm7

5 5 3 3 6 6 5 5 3 3 4 5 5 7 7 5 5 7 7 5 5 7 5 5 1

These examples combine the different seventh chords.



TRACK 28
SLOW/FAST

MIDDLE MAN

48

Em7 A7

Cmaj7 Fmaj7 Em7 B7

Cmaj7 A7 Fmaj7 Em7



TRACK 29

ON THE VERGE

49

Cm7 Fine F7 B♭maj7

FNG: 1 4 3 1 - 4 0 1 4 4 1 4 0 1 1 0 4 2 0 4 0 1

G7 A♭maj7 Fm7

4 2 0 4 1 4 3 1 0 0 1 3 4 1 4 3 1 4 1 -

G7 A♭maj7

2 1 2 3 4 1 2 3 4 4 1 2 1 4 3 -

D7 Gm7

2 1 4 2 - 1 1 4 3 1 3 4 1 0 1 2 4 -

A♭maj7 D7 E♭maj7 Dm7 D.C. al Fine G7

2 1 4 3 - 2 1 4 2 - 2 1 4 3 1 4 2 1 4 2 4 4 1

SLIDES

Sliding into a note is a great way to give your bass line personality. It can sound relaxed and loose, or create a dramatic effect. When sliding from one note to another, slightly relax the pressure on the slide finger to avoid making the fret sound too pronounced. Practice sliding with different fingers, at various speeds, and different distances. If a slide has a “slur” marking above it, only the first note is plucked; the second note is simply slid into.

Bass notation example showing slides and fingerings. The top staff is standard bass notation with a bass clef and a 4/4 time signature. The bottom staff is tablature with strings T (top), A, and B. Fingerings are indicated below the notes: FNG: 2 2 2 4 1 1 1 4. The tablature shows slide markings above certain notes, indicating that only the first note is plucked and the second is滑入 (slid into).



SLIPPIN' & SLIDIN'

TRACK 30

50 Bass notation for Track 30, measures 50-53. The music is in 4/4 time with a key signature of two sharps. The notation includes slurs and grace notes. Fingerings are provided: FNG: 1 4 4 1 1 4 4 1 4 1 1 4 4 1 1 1 1 4. The tablature shows slide markings and specific fingerings like 5-7-9 and 5-7-9-7.

Bass notation for Track 30, measures 54-57. The music continues in 4/4 time with a key signature of two sharps. The notation includes slurs and grace notes. Fingerings are provided: 1 4 4 1 1 4 4 1 4 4 1 1 4 4 1 1 4 4. The tablature shows slide markings and specific fingerings like 5-7-9 and 5-7-9-7.

Bass notation for Track 30, measures 58-61. The music continues in 4/4 time with a key signature of two sharps. The notation includes slurs and grace notes. Fingerings are provided: 1 1 1 4 1 1 1 4 1. The tablature shows slide markings and specific fingerings like 5-10 and 12-5-7-7.

MINOR PENTATONIC

Pentatonic scales are five-note structures that are widely used in all styles of music. The **minor pentatonic** scale is built 1- \flat 3-4-5- \flat 7-8 (the octave is not counted as a separate note; hence the name penta-tonic).

There are two universal fingerings. The first is based on the minor scale position and uses one finger per fret; the second uses the 1-2-4 fingering system and starts on the 4th finger, shifting up between scale degrees 4 and 5.

A MINOR PENTATONIC

SCALE # 1 \flat 3 4 5 \flat 7 8

FNG 1: 1 4 1 3 1 3 3 1 3 1 4 1
FNG 2: 4 1 4 - 4 1 4 4 1 4 1 - 1 4

Here are the most common keys for the minor pentatonic scale. E minor pentatonic is in open position and has a unique fingering; the rest use the universal fingerings shown above. Optional open position fingerings are also indicated in some cases.

E MINOR PENT.

FNG: 0 2 0 1 0 1

B MINOR PENT.

1 0 1 4 1 4

F# MINOR PENT.

FNG: 1 0 1 4 1 4

C# MINOR PENT.

G# MINOR PENT.

D MINOR PENT.

G MINOR PENT.

C MINOR PENT.

FNG: 4 1 4 0 - 1 4

F MINOR PENT.

B \flat MINOR PENT.

The minor pentatonic scale works well when you have to “jam” or improvise on one chord. This example shows you how to play up and down the scale in G and C.



TRACK 31
SLOW/FAST

VENTURE FORTH

Gm

51

Musical staff showing a G minor pentatonic scale in bass clef, 4/4 time, and a key signature of one flat. The scale consists of notes G, B, D, E, and A.

G MINOR PENT.

T
A
B

3 3 6 3 6 3 | 5 5 3 5 3 | 5 5 3 5 3 | 3 5 3 6 3 6 3

Cm

Musical staff showing a C minor pentatonic scale in bass clef, 4/4 time, and a key signature of no sharps or flats. The scale consists of notes C, E, G, A, and D.

C MINOR PENT.

3 3 3 6 3 6 3 | 5 5 3 5 3 | 5 3 5 5 3 5 | 5 3 6 3 6 3 .

This example uses a repetitive minor pentatonic idea or “lick” and moves it around to match the chord changes.



TRACK 32

DEJA VIEW

Bm

F#7

52

Musical staff showing a lick consisting of eighth-note patterns over Bm and F#7 chords. The lick starts on the second fret of the B string and moves to the fifth fret of the A string.

T
A
B

2 5 2 4 | 2 4 | 2 5 2 4 | 2 4 | .

Em

Bm

F#7

Musical staff showing the same lick moving to Em, Bm, and F#7 chords. The lick starts on the third fret of the B string and moves to the fifth fret of the A string.

0 3 0 2 0 | 2 2 0 2 0 | 2 5 2 4 | 2 5 2 5 | .

HAMMER-ONS & PULL-OFFS

Two adjacent notes on the same string can be played with one pluck of the finger using a **hammer-on** or a **pull-off**. Play a lower note with the 1st finger, and then “hammer on” to the higher note with the 4th finger. Reverse this action by playing a higher note with the 4th finger, and then “pull off” to the 1st. These articulations are indicated with a slur marking.



TRACK 33

G7

53


FNG: 1 1 4 1 4 1 4 1 1 4 1 4 1 4
TAB
 3 3 3 5 3 5 3 5 | 3 3 3 5 3 5 3 5



TRACK 34
SLOW/FAST

N.C.(D)

HAMMER HEAD

54

TAB

3 5 3 5 | 3 5 3 5 5 3 | 3 5 3 5 | 3 5 3 5 5 3 5 3 5



C

N.C.(D)

Here is a two-octave fingering for E minor pentatonic. It uses slides while shifting positions. Notice the slides are in different locations going up and down.

55

FNG: 0 1 4 4 1 4 1 4 4 1 4 1 1 4 1 4 1 1 0

TAB: 0 3 5 7 5 7 9 7 9 7 5 7 5 7 5 3 0

The chord progression of this example follows the notes of the E minor pentatonic scale, a common approach in rock songwriting.



TRACK 35

X-TENDER

56

MAJOR PENTATONIC

The **major pentatonic** scale is also widely used in many styles of music. It is built 1-2-3-5-6-8. There are two universal fingerings. The first follows the major scale position using OFPF; the second uses the 1-2-4 fingering system and starts on the 1st finger, shifting up the string between scale degrees 2 and 3.

C MAJOR PENTATONIC

SCALE # 1 2 3 5 6 8

FNG 1: 2 4 1 4 1 4 4 1 4 1 4 1 4 2
FNG 2: 1 4 - 4 1 4 1 1 4 1 4 1 - 1

Here are the other common keys for the major pentatonic scale. They can all use the two universal fingerings, except for E and F, which are in open position. G, A, and B \flat are marked with optional open-position fingerings.

G MAJOR PENT.

FNG: 2 0 1 0 1 0

D MAJOR PENT.

A MAJOR PENT.

FNG: 0 1 4 1 4 1

E MAJOR PENT.

FNG: 0 1 4 1 4 1

B MAJOR PENT.

FNG: 1 4 0 4 0 4

F MAJOR PENT.

FNG: 1 4 0 4 0 4

B \flat MAJOR PENT.

FNG: 1 4 0 4 0 4

E \flat MAJOR PENT.

FNG: 1 4 0 4 0 4

A \flat MAJOR PENT.

FNG: 1 4 0 4 0 4

D \flat MAJOR PENT.

FNG: 1 4 0 4 0 4



TRACK 36

JUST LIKE MY GIRL

57

E A E A

T A B

C♯m F♯ E B

4 2 4/6 4 6 | 4 4 2 4 2 4 2 | 0 2-4 2 4 2 | 2 2 2 2 4 2 .

A B E

FNG: 1 1 4 4 1 4 1

2 4 2 4 2 0 | 2 2 4/6 4 6 4 | 2 2 4 2 4 2 | 0



TRACK 37

N'AWLINS BEAT

58

B♭ E♭

T A B

F B♭

3 0 3 0 3 | 1 3/5 3 5 3 | 1 3/5 3 5 3 | 3 5 3 5 .

Dwight蚣 of 1997, All Rights Reserved

PLAYING OFF CHORD SYMBOLS

While most of what you've learned so far has been written out for you, the bassist is often called upon to create his or her own part or line based on a series of chord symbols. Fortunately, it is fairly simple to create solid, functional bass lines that outline a chord progression using the information you already have at your disposal.

The first priority of a good bass line is to establish the **root motion**—that is, movement from one chord to the next. By using the rhythmic feel of the song and playing the root of each new chord, you can create a perfectly usable bass line that, while not exotic, is often the best thing to play. You'll usually have several possible locations to choose for each root—avoid making jumps bigger than an octave from one root to another.



JUST ROOTS

TRACK 38

Here is the same chord progression using a steady eighth-note rhythm.



ROOTS & 8THS

TRACK 39

60

F7 B♭7 Gm7 C7

R R R R etc. R R R R etc. R R R R etc. R R R R etc.

The **octave** is still the root of the chord, but it gives the line a feeling of movement. You can start on the lower root and use the higher octave, or you can reverse this and start on the higher octave and use the low root for movement.



JUMPING OCTAVES

TRACK 40

Diagram showing a bass line for measures 61-65. The bass part consists of eighth-note patterns corresponding to the chords F7, B♭7, Gm7, and C7. The bass line starts with a descending eighth-note scale (F7), followed by eighth-note pairs (B♭7), eighth-note triplets (Gm7), and eighth-note pairs (C7). The bass line ends with a descending eighth-note scale.

TIP: When playing octaves fingerstyle, it's often easiest to use a "split fingering": middle finger (m) on the higher string and index (i) on the lower. When alternating fingers on a single string with occasional octave jumps, use your middle finger to jump up to the octave, and your index finger to jump down.

Play your own bass line to this chord progression. Using the suggested rhythm, play roots and octaves.



TRACK 41

YOUR TURN

Em7

A7

D

Bm7

62

G

A7

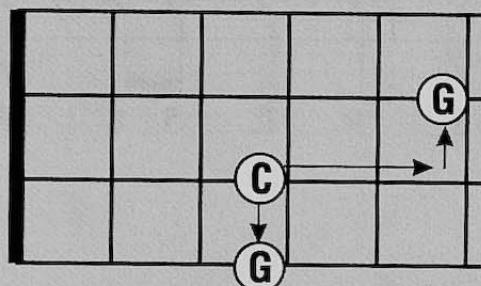
D

G

A

ADDING THE 5TH

The next note to add to a bass line is the **5th** of the chord. An easy way to find the 5th is to go up 2 frets and over one string. But you can also find the 5th *below* the root: it's located at the same fret, one string lower (using the finger roll). For example, C's 5th is G; you can find it above or below the root.



C

Either high or low 5th will work when creating bass parts; it's up to you to decide which sounds best.

Notice how smooth transitions from one chord to the next can create direction in a line. In this progression, starting on the higher F gives you the option of playing the low 5th, which flows easily into the lower B♭; the high 5th of B♭ moves nicely into the higher G, and so on. It's important to keep this type of close movement in mind when creating your own bass part.



USE THE 5

TRACK 42

F7

B♭7

Gm7

C7

63

F7

B♭7

Gm7

C7

Create your own part using the steady eighth-note rhythm. You can play it through once using the lower root choices, and the next time with the higher ones.



TRACK 43

5 BY 8

64

F7 B[♭]7 Gm7 C7

R R R 5 R R 5 R R R R R 5 R R R R R R R R R 5 R R R 5 R R 5 R

Roots, 5ths, and octaves outline the basic structure of any chord; they are safe choices that work with any chord type. This time, use the root, 5th, and octave together to create a line. Remember that you can start on a low root and move up to the octave, or you can start on a high root and move down to a low octave.



TRACK 44

ROOT-5-8

65

F7 B[♭]7 Gm7 C7

R R 5 8 8 R 5 8 5 R R R 5 8 8 R R 5 8 R

Create your own bass line to this progression using roots, 5ths, and octaves. Use the indicated rhythm, and alternate the line from octave to root on one chord, root to octave on the next. Then see what variations you can find.



TRACK 45

YOU GOT IT

66

F A7 B[♭] G7

8 5 R R 5 8

C7 A7 Dm7 B[♭] C

:/

CHROMATIC APPROACH

The root, 5th, and octave are **target notes**; you aim for the root on the downbeat of a new chord, while the 5th and octave are two notes that allow for movement during the measure without interfering with the chord type. To create even more movement in the bass line, we add **approach notes**—notes that *lead into* a target note.

Chromatic approach notes lead into the target note by a half step (one fret). They can approach the target from above or below. Notice how this bass line uses a chromatic approach (chr) to lead into the root of each new chord. In measures 3 and 4, a “chr” is also used to lead into the 5th, adding more movement to the line.

A bass line example in 4/4 time. The notes are: C, E7, Am7, D7. Below the notes are labels: R, 5, R, chr; R, 5, R, chr; R, chr, 5, R, chr; R, chr, 5, R, chr. The bass line consists of eighth and sixteenth note patterns.

When choosing your chromatic approach notes, remember to try them from above *and* below the target note.



TRACK 46

A bass line example in 4/4 time. The chords are: F7, B♭7, Gm7, C7. Below the notes are labels: R, chr, R, chr, R, chr, R, chr. The bass line consists of eighth and sixteenth note patterns.



TRACK 47

CHROMATIC R-5-8

A bass line example in 4/4 time. The chords are: F7, B♭7, Gm7, C7. Below the notes are labels: R, chr, 5, 5, 8, R, 5, 8, 5, chr, 8, 5, R, R, chr, 5, chr. The bass line consists of eighth and sixteenth note patterns.

Now use chromatic approach on your own. Start by simply playing the root and a “chr” to the next chord. When you’re comfortable with the progression, add the 5th of each chord. Then use “chr” to lead into those 5ths. Any of the rhythms from previous examples will work; start simply, and then experiment.



TRACK 48

IT'S UP TO YOU

A bass line example in 4/4 time. The chords are: G, C, Bm7, E7, Am7, D7. The bass line consists of eighth and sixteenth note patterns.

A bass line example in 4/4 time. The chords are: G, C, Bm7, E7, Am7, D7. The bass line consists of eighth and sixteenth note patterns.

SCALE APPROACH

Scale approach uses the adjacent scale tone (from above or below) to approach the target note. Use the scale of the new target chord. Most of the time, scale approach is a whole step (2 frets). There are, however, instances where the scale tone may be a half step away from the target—for example, when approaching a major chord from below. It doesn't matter whether you call it scale or chromatic approach; just use it.

D Bm7 G A7
R R R sc R 5 R sc R sc 5 R sc R sc 5 R sc

TIP: When approaching a dominant seventh chord (e.g., A7) from below, use a $\flat 7$ scale degree to match the chord.



TRACK 49

F7 B \flat 7 Gm7 C7
70 R sc R sc R sc R sc

This uses “sc” to the 5th on the B \flat 7 and C7. Once you are comfortable with this version, look for other ways to use “sc” with this progression.



TRACK 50

F7 B \flat 7 Gm7 C7
71 R 5 8 sc R sc 5 R sc R R sc R sc 5 5 sc

Applying any rhythm previously played, use scale approach to move from one chord to the next. Then try adding the 5th and approaching it when you choose. (Tip: For minor chords, remember to use a $\flat 6$ when approaching the 5th.)



ALL YOURS

TRACK 51

F \sharp m A F \sharp m B7
72 / / / / | / / / / | / / / / | / / / / |
F \sharp m E D E
/ / / / | / / / / | / / / / | / / / / |

DOMINANT APPROACH

Dominant approach uses the 5th of the target note. Many chord progressions are built with dominant root motion, which is when the root motion resolves to a new chord from its 5th. In those cases, using a dominant approach simply outlines the existing root motion. Using “dom” between chords that do *not* have a dominant root motion creates a very strong movement.

A musical staff in 4/4 time with a key signature of two sharps. It shows four chords: A, D, Bm7, and G. Below the staff, the notes are labeled with their corresponding scale degrees: R, 5, dom, R, 5, R, dom, R, dom, 5, 8, dom, 8, 5, R, dom. The notes are eighth and sixteenth notes.



TRACK 52

A musical staff in 4/4 time with a key signature of one sharp. It shows four chords: F, Dm7, B^b, and C. Below the staff, the notes are labeled with their corresponding scale degrees: R, dom, R, dom, R, dom, R, dom. The notes are eighth and sixteenth notes. The measure number 73 is at the top left.

It's tricky at first to grasp using the “dom” of the 5th. This line illustrates the concept effectively. (Hint: It's basically scale degree 2 of the chord.)



DOMINANT TO THE 5TH

TRACK 53

A musical staff in 4/4 time with a key signature of one sharp. It shows four chords: F, Dm7, B^b, and C. Below the staff, the notes are labeled with their corresponding scale degrees: R, dom, 5, dom, R, R, dom, R, dom, 5, dom, R, dom, 5, dom. The notes are eighth and sixteenth notes. The measure number 74 is at the top left.

Now use dominant approach on your own. You can add the “dom” that leads into the 5th anytime you want. When the root motion is already dominant, just use the root.



YOU GO, HUGO

TRACK 54

A musical staff in 4/4 time with a key signature of one sharp. It shows four chords: B^b maj7, Cm7, Dm7, and G7. The staff consists of vertical lines representing eighth and sixteenth notes. The measure number 75 is at the top left.

A musical staff in 4/4 time with a key signature of one sharp. It shows six chords: Cm7, E^b maj7, Dm7, C7, Cm7, and F7. The staff consists of vertical lines representing eighth and sixteenth notes.

USING TRIADS TO CREATE BASS LINES

Triads can be used to build bass lines that clearly state the chord progression. Used in conjunction with the root-5-8 and various approach notes, you have a very complete set of tools to construct an interesting and functional bass part.

The first step is to recognize which *type* of triad the chord symbol indicates. Here are the five basic chord structures you've learned so far. Major and minor triads are easy to grasp; major seventh and dominant seventh chords have major triads as their foundation, while the minor seventh chord contains a minor triad.

C **Cm** **Cmaj7** **C7** **Cm7**
I **I** **I** **I** **I**

MAJOR TRIAD MINOR TRIAD

Here is an example of using triads with an approach note to each new chord. Using a quarter-note rhythm, we wind up with a classic walking bass line in a jazz style.



WALKING TRIADS

TRACK 55
SLOW/FAST

76

Cmaj7 Am7 Dm7 G7

R 3 5 chr 8 5 \flat 3 sc R \flat 3 5 chr 8 8 5 dom

Em7 A7 Dm7 G7

R \flat 3 5 dom R \flat 3 5 chr R \flat 3 5 sc R 5 3 sc

Now it's your turn to walk through the "changes." Stick to triads only at first. You can vary your line by playing the chord tones in a different order and direction.



WALK THIS WAY

TRACK 56

77

B♭ maj7 Gm7 Cm7 F7

Dm7 G7 Cm7 F7

It is possible to “bounce around” within the triad—notice that the F triad below changes directions. The second half is open for you to make your own choices; make sure you are familiar with each triad before playing.



TRACK 57

SIMPLE TRIADS

78

B♭ E♭ F Gm

Cm F E♭ B♭

Once you’re comfortable with a chord progression, try adding approach notes on beat 4. Remember: you have three ways of approaching a target note: by half step (1 fret), whole step (2 frets), or by 5th. Play the triad for the first three beats of each measure, but focus your attention on the upcoming chord, and play around with different approaches to its root.



ON YOUR OWN

TRACK 58

B♭ maj7 Gm7 Cm7 F7

Dm7 G7 Cm7 F7

Here’s the same chord progression as example 76, played with a dotted quarter/eighth note rhythm. Notice the different ways the triad gets placed in the measure. Also notice the approach notes—nearly all of them are also chord tones! (Can you spot the one that isn’t?)



TRACK 59

TRIADS & DOTTED QUARTERS

80 Cmaj7 Am7 Dm7 G7

Em7 A7 Dm7 G7

Create your own bass line for this song; use all the methods you've learned so far. Any rhythm will work.



TRACK 60

UH HUH

A Fm7

B♭7

Gm7

C7

81

A7

Dm7

C7

B♭ maj7

Am7

Gm7

C7

B Fmaj7

A7

Dm7

G7

Gm7

C7

Fmaj7

LOCKING IN TO THE GROOVE

A **groove** is any particular rhythmic idea that forms the basis of a song. When bass and drums play together, they need to connect their parts so that it feels like one unified beat. The term “locking in to the groove” is used to describe this phenomenon. To lock in, the bassist and drummer must listen to each other’s part and find a shared sense of where the groove is, so they can play together. One way that bassists and drummers connect is by matching the bass line with the kick drum. Examples A and B are two common rhythms you’ve worked with. Examine the matching drum part, and see how the bass line “hooks up” with the beat.

A)

BASS

DRUMS

The notation shows two measures of music. Measure A starts with a bass note followed by a rest, then another bass note followed by a rest. Below it, the drums play a pattern of four strokes on the hi-hat. Measure B starts with a bass note followed by three eighth notes, then another bass note followed by three eighth notes. Below it, the drums play a pattern of four strokes on the hi-hat.

DRUM SYMBOL KEY



KICK

SNARE

HI-HAT

Here are six different rhythms, or grooves. Learn each, then apply it to the chord—in this case, C7. Start by playing only the root; once you've locked in with the groove, see what other notes you can play. Although there are many note choices available, you're not obligated to play them all. However, as a bassist, you are obligated to maintain the groove.



GROOVE JAM

TRACK 61

a) C7 b) play 4 times c) d)

82

e) f) g) h)

The grooves for the A and B sections are indicated. Use them as the basis for your line. Start with simple ideas that match the rhythm. As you listen more closely, you'll find it is possible to vary your line within the basic feel and still keep the groove intact. Experiment with different note choices; use root-5-8, chord tones, and different approach notes.



TIME 2 GROOVE

TRACK 62

A Am7 D7 C G

83

Am7 D7 C F G

B F G Am7

F E7 Dm7 C Am7

SLAP FUNK

The slap funk style started in the late 1960s and is still one of the most popular techniques that bassists use. The two essential elements of the technique are **slapping** the strings (with the thumb) and **popping** them (with the index and middle fingers).

THE SLAP

Keep the thumb parallel with the string—using the bony knob of your thumb knuckle for the striking surface, hit the string at the end of the fingerboard. Use a twist-like motion in the wrist, and pivot the forearm from the elbow to “whip” the thumb on and off the string. Make sure the thumb “recoils” off the string, allowing it to ring.

TIP: Round wound strings are best for slap funk. Medium to low string height allows the bass to respond to the thumb slap. You don’t want to hit the string too hard; it’s wasted energy, and it chokes the sound of the note.

Keep the right arm and shoulder loose and relaxed; tension in these areas greatly decreases how funky you can get!

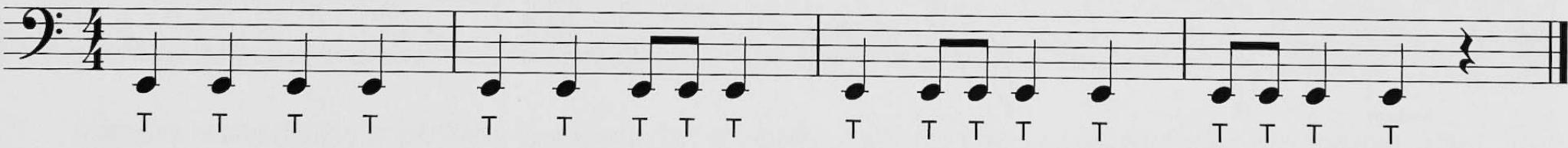
Start by slapping the open strings. Strive for consistent volume and tone for each note, and from string to string. Mute the open strings with the left hand—laying your fingers flat across the strings—in between slaps, but give the note its full value. The slap will be notated using the letter “T” for thumb.



TRACK 63

84

Bass clef, 4/4 time. The music consists of a series of eighth-note slaps on the open strings (E, A, D, G). Below the notes are the letters T repeated under each note, indicating the thumb slapping motion.



85

Bass clef, 4/4 time. The music consists of a series of eighth-note slaps on the open strings (E, A, D, G). Below the notes are the letters T repeated under each note, indicating the thumb slapping motion.



86

Bass clef, 4/4 time. The music consists of a series of eighth-note slaps on the open strings (E, A, D, G). Below the notes are the letters T repeated under each note, indicating the thumb slapping motion.



87

Bass clef, 4/4 time. The music consists of a series of eighth-note slaps on the open strings (E, A, D, G). Below the notes are the letters T repeated under each note, indicating the thumb slapping motion.



Now practice switching strings; remember to keep the thumb parallel with the string for better accuracy.

88

A musical staff in bass clef and common time. It consists of ten measures. The first measure has two eighth notes. The second measure has two eighth notes. The third measure has three eighth notes. The fourth measure has two eighth notes. The fifth measure has two eighth notes. The sixth measure has one eighth note followed by a sixteenth note. The seventh measure has two eighth notes. The eighth measure has two eighth notes. The ninth measure has two eighth notes. The tenth measure has one eighth note followed by a sixteenth note.

This example requires you to slap up the E and A strings.



SLAP THIS

TRACK 64

E STRING

89

A STRING

A musical score for a bass guitar or double bass. The top line shows a bass clef and a dashed box labeled 'A STRING'. The bottom line shows a solid box labeled 'D STRING'. The music consists of two measures. The first measure contains four quarter notes on the A string. The second measure begins with a quarter note on the D string, followed by a sixteenth-note pattern: a pair of eighth notes, a pair of sixteenth notes, and a single sixteenth note with a sharp sign. This pattern repeats three more times.

This example takes you up a two-octave E minor pentatonic scale, a very common structure in slap funk. Strive for consistent volume from string to string.



PENT UP

TRACK 65

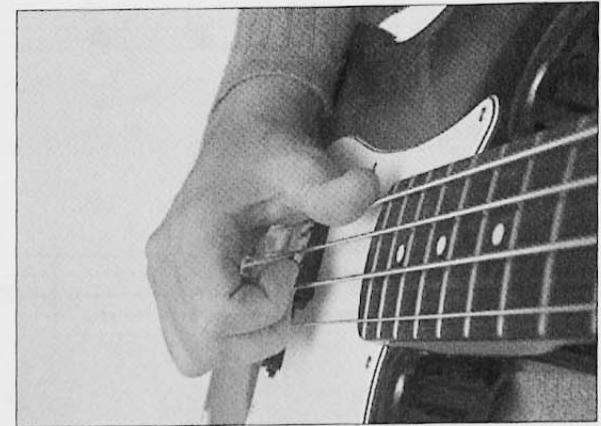
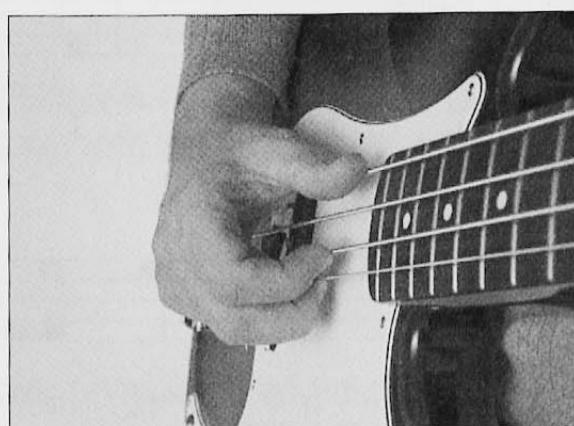
90

A musical score for bassoon, page 2, measures 1 through 10. The score is in bass clef, common time (indicated by '4'). The music consists of ten measures of continuous eighth-note patterns. Measure 1 starts with a dotted half note followed by a sixteenth-note group. Measures 2-4 show various sixteenth-note figures, including a descending scale-like pattern in measure 4. Measures 5-8 feature sixteenth-note groups with occasional eighth-note accents. Measures 9-10 conclude with eighth-note patterns. Below the staff, the vocal line continues with the text 'T T T T sim'.

Fretboard diagram showing a C major scale across four frets. The notes are: 0, 3, 5 (with a slur), 7, 5, 7, 9, 7, 9. The 5th string is muted (x). The 6th string is muted (x).

THE POP

The pop is achieved by pulling the string with the index or middle finger away from the neck, letting it snap back onto the frets. Make a loose fist with your right hand. Let the thumb come to rest against the E string, parallel as if you were going to slap it. Let your index finger naturally fall in between the D and G string, and the middle finger curl under the G. Pull from the side of the finger. Don't get "caught up" in the string; use just enough to pull the string lightly. Too much pull makes the pop louder than needed, and can cause broken strings.



Although it is possible to slap or pop any string, for the most part, you will be slapping the E and A strings and popping the D and G. It works best to dedicate the index (1st) finger to popping the D string and the middle (2nd) finger to the G.



TRACK 66

91

P2 P2 P2 P2 P1 P1 P1 P1 P2 P2 P1 P1 P2 P2 P1 P1

92

P2 P1 P2 P1 P2 P1 P2 P1 P1 P2 P1 P2 P2 P1 P2 P1

COMBINING SLAP AND POP



Combining slap and pop into a smooth, two-piece movement is the next step. When you slap the string, move your finger into position for the pop. Let the thumb recoil from the slap without moving your hand away from the string, then slip the pop finger under the string and pull/release.



Slap the string, prepare to pop

After slap, pop the string



TRACK 67

93

T P1 T P1 T P1 T P1 T P2 T P2 T P2 T P2

94

T P1 T P2 T P1 T P2 P2 T P1 T T P2 T P1

The octave is a very common part of slap funk. Practice playing these octaves with alternating slap and pop.

95

T P1 T P1 T P2 T P2 T P1 T P1 T P2 T P2 T P1 T P2

When play the octave C's, try letting the tip of your index finger mute the low E string.



OCTAVE SLAP

TRACK 68
SLOW/FAST

96

T P1 T T T P1 T T P1 T P2 T T P2 T T P2 T P2

This exercise moves the slap/pop octave around the fingerboard. As usual, play the octave with the 1st and 4th fingers (left hand), but when you play the open E and A strings, use the 2nd finger for their octaves.



CHROMATIC OCTAVES

TRACK 69
SLOW/FAST

97

T P2 T P1 T P1 T P1 T P1 T P2 T P2 T P2 T P2 T P2

T 5 2 3 4 5 0 2 3 2 4 .

T A B 3 0 1 2 3 2 3 1 2 .

This rhythmic variation helps develop thumb control.



TRACK 70

98

T T P2 T T P1 T T P1 T T P1 T T P2 T T P2 T T P2

T 5 2 3 4 5 0 2 3 2 4 .

T A B 3 0 1 2 3 2 3 1 2 .



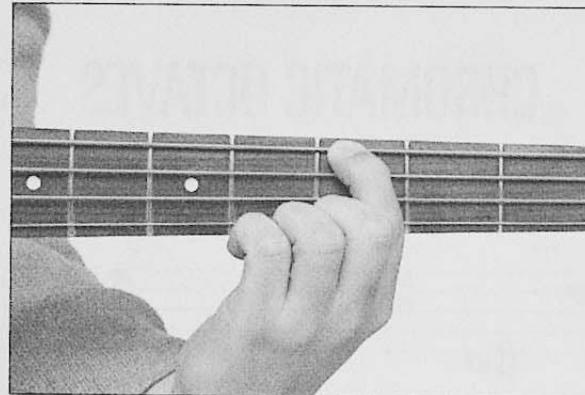
TRACK 71
SLOW/FAST

GRITTY

99

THE PRESSURE ROLL

The hammer-on is a technique you already know that's used often in slap funk. Sometimes, it's necessary to set up a hammer-on with the use of a **pressure roll** across the strings. Play a low G with the tip of the 1st finger as usual. Now *roll* the pressure used to push the string down, across to the D string, without dropping the tip of the finger; you'll play the F on the 3rd fret, D string with the bottom part of the 1st finger. This pressure roll allows you to smoothly jump across the strings between slap and pop.



Playing with tip



Pressure roll

Now use the pressure roll to set up the hammer-ons (indicated with a slur) from the 1st finger to the 4th.



TRACK 72

100

This example uses a pull-off as well as the hammer-on



TRACK 73
SLOW/FAST

101

SLOW/FAST

T T T T T T P1 T P1 T T T P1 T T P1 T P1 T T P1

T
A
B

0 0 5 7 5 7 0 2 3 4 5 5 5 5 7 5 7 5 7 5 2 2 0 2 .

DEAD NOTES

Dead notes are an important part of the slap funk style. By not pushing the string all the way down to the fretboard (in the left hand), you produce a note that is not a true pitch. Slapping or popping these notes creates a unique percussive effect that blends in well.

100



TAB
 5 X 5 X 5 X 5 X | 5 X 5 X 5 X 5 X | 5 X 5 X 5 X 5 X | 5 X 5 X 5 X 5 X |



TRACK 74

DEAD END

103

SLOW/FAST

The A section requires you to create your own bass line from the chord symbols and rhythm, while the B section has a specific slap funk line to play. It may take some practice to get comfortable switching from fingerstyle to slap; make sure you stay aware of the switch-over point in the song. The last two measures of the coda are played fingerstyle.



KEEP IT TOGETHER

TRACK 75

This one is a busy sixteenth-note tune with some technical challenges. Be sure to keep your tempo consistent.



TRACK 76

IT'S AN EYEFUL!

A

A7

D7

A7

D7

105

FNG: 0

1 2

3 4

0

1

2

0 - 1

2 4

1 2 3 4 0 1 2 3 4 0 - 1 2 4

A7

D7

G

C

0

1

2

3

4

2

1

4

- 1

B

D7

G7

4

1

2

3

4

1

2

3

4

1

2 3 4 1 2 3 4 1 2 1 4 1 2 3 4 1

C7

F7

E7

2 - 0

1

2

4

0

1

2

4

1

2

0

C

A7

G7

0

1

4

4

2

4

-

2

1

4

2

-

F7

E7

A7

1

0

4

0

4

1

4

0

1

0

1

1

B

D7

G7

4

1

2

3

4

1

2

3

4

1

C7

F7

E7

A7

2 - 0

1

2

4

0

1

2

4

0

1

2

4

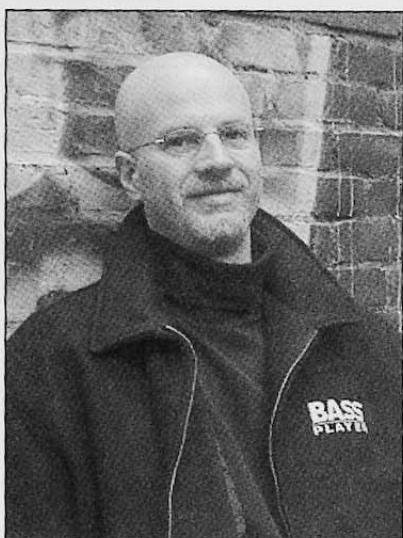
HAL LEONARD BASS METHOD

SECOND EDITION

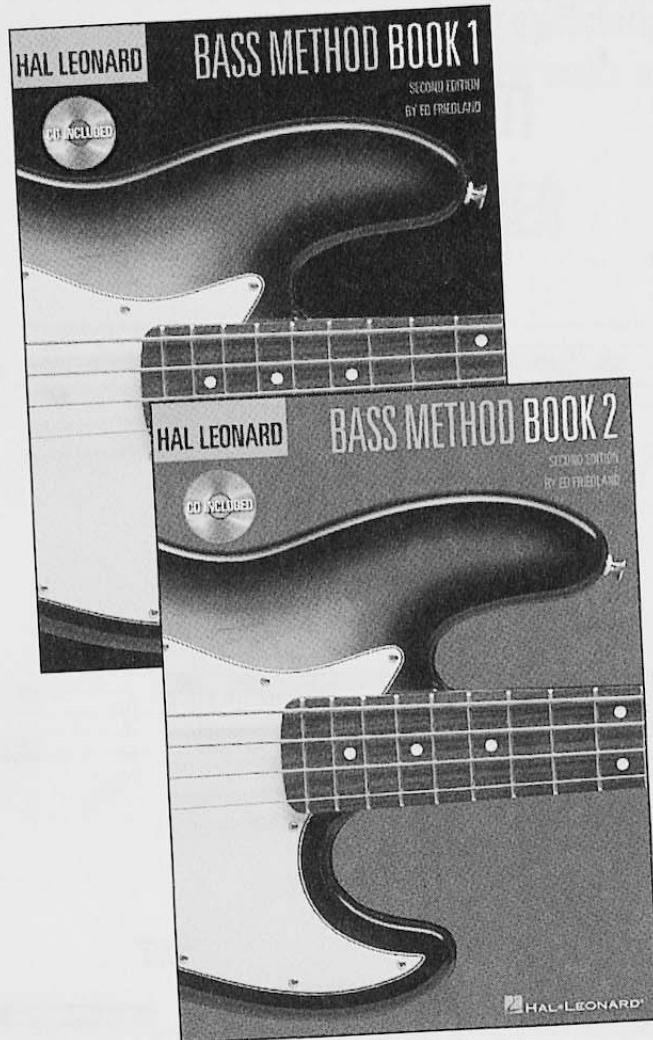
by Ed Friedland

The Hal Leonard Bass Method is designed for anyone just learning to play electric bass. It is based on years of teaching bass students of all ages, and it also reflects some of the best bass teaching ideas from around the world!

This second edition features all new engravings and excellent new audio tracks. The books have been updated to meet the needs of today's bass students by renowned bassist and author Ed Friedland.



Ed Friedland is a contributing editor and monthly columnist for *Bass Player* magazine. He has taught at Berklee College of Music, Boston College, and Arizona State University, and is a frequent guest clinician around the country. He has written several best-selling titles for the Hal Leonard Bass Builders series, as well as creating the *Slap Bass* DVD. Equally adept on electric and upright bass, Ed has performed with some of the top names in jazz, blues, and R&B, as well as playing studio dates, theatre, and show-biz gigs. His performance credits include: Larry Coryell, Michal Urbaniak, Robben Ford, Wycliffe Gordon, Stacey Kent, Teirney Sutton, Ann Hampton Calloway, Bud Shank, Paul Horn, Johnny Adams, Robert Junior Lockwood, Linda Hopkins, Martha & The Vandellas, the Drifters, the Patters, the Marvellettes, Steve Allen, the Tucson Symphony Orchestra, the Opera Company of Boston, *Little Shop of Horrors*, *Mama Mia*, *42nd Street*, and others!



BOOK 1

Book 1 teaches: tuning; playing position; musical symbols; notes within the first five frets; common bass lines, patterns and rhythms; rhythms through eighth notes; playing tips and techniques; more than 100 great songs, riffs, and examples; and more! The CD includes 44 full-band tracks for demonstration or play-along.

- 00695067 Book Only.....\$5.95
00695068 Book/CD Pack\$9.95

BOOK 2

Book 2 continues where Book 1 left off and teaches: the box shape, moveable boxes, notes in fifth position, major and minor scales, the classic blues line, the shuffle rhythm, tablature, and more!

- 00695069 Book Only.....\$5.95
00695070 Book/CD Pack\$9.95

BOOK 3

With the third book, progressing students will learn more great songs, riffs and examples; sixteenth notes; playing off chord symbols; slap and pop techniques; hammer ons and pull offs; playing different styles and grooves; and more.

- 00695071 Book Only.....\$5.95
00695072 Book/CD Pack\$9.95

COMPOSITE

Special bound edition containing Books 1, 2 and 3. The book/CD version includes three CDs.

- 00695073 Book Only.....\$14.95

- 00695074 Book/CD Pack\$24.95

BASS SCALE FINDER

EASY-TO-USE GUIDE TO OVER 1300 SCALES

Learn to use the entire fretboard with the *Bass Scale Finder*. This book contains over 1300 scale diagrams for the most important 17 scale types, including major and minor scales, pentatonics, the seven major modes, diminished, melodic minor, harmonic minor, and more, in all 12 keys. Basic scale theory is also presented to help you apply these colorful sounds in your own music.

- 00695781 6" x 9".....\$4.95
00695778 9" x 12"\$5.95

BASS ARPEGGIO FINDER

This extensive reference guide lays out over 1,300 arpeggio shapes. 28 different qualities are covered for each key and each quality is presented in four different shapes. A fingerboard chart of the bass neck is also provided to help with transposing the shapes to new keys.

- 00695817 6" x 9".....\$4.95
00695816 9" x 12"\$5.95

Coming Soon:

Stylistic instruction for the Hal Leonard Bass Method!

FUNK BASS

- 00695792 Book/CD Pack\$14.95

ROCK BASS

- 00695801 Book/CD Pack\$14.95

SUPPLEMENTARY SONGBOOKS

These great songbooks correlate with Books 1-3 of the Hal Leonard Bass Method, giving students great songs to play while they're still learning! The CD packs include great accompaniment and demo tracks.

EASY POP BASS LINES

20 great songs that students in Book 1 can master. Includes: Come As You Are • Crossfire • Great Balls of Fire • Imagine • Surfin' U.S.A. • Takin' Care of Business • Wild Thing • and more.

- 00695810 Book\$5.95
00695809 Book/CD Pack\$14.95

MORE EASY POP BASS LINES

20 great songs for Level 2 students. Includes: Bad, Bad Leroy Brown • Crazy Train • I Heard It Through the Grapevine • My Generation • Pride and Joy • Ramblin' Man • Summer of '69 • and more.

- 00695819 Book\$5.95
00695818 Book/CD Pack\$14.95

EVEN MORE EASY POP BASS LINES

20 great songs for Level 3 students, including: ABC • Another One Bites the Dust • Brick House • Come Together • Higher Ground • Iron Man • The Joker • Sweet Emotion • Under Pressure • more.

- 00695821 Book\$5.95
00695820 Book/CD Pack\$14.95

FOR MORE INFORMATION, SEE YOUR LOCAL MUSIC DEALER,
OR WRITE TO:

**HAL LEONARD®
CORPORATION**

7777 W. Bluemound Rd. P.O. Box 13819 Milwaukee, WI 53213

Visit Hal Leonard online at
www.halleonard.com

Prices, contents and availability subject to change without notice.
Some products may not be available outside of U.S.A.

THE HAL LEONARD BASS METHOD is designed for anyone just learning to play bass. It is based on years of teaching bass students of all ages, and it also reflects some of the best bass teaching ideas from around the world.

This complete edition contains books 1, 2, and 3 bound together in one easy-to-use volume.

BOOK 1 INCLUDES:

- Tuning
- Playing Position
- Musical Symbols
- Notes Within the First Five Frets
- Common Bass Lines, Patterns, and Rhythms
- Rhythms Through Eighth Notes
- Playing Tips and Techniques
- More Than 100 Great Songs, Riffs, and Examples
- CD includes 44 Full-Band Tracks for Demonstration or Play Along

BOOK 2 INCLUDES:

- The Box Shape
- Moveable Boxes
- Notes in Fifth Position
- Major & Minor Scales
- The Classic Blues Line
- The Shuffle Rhythm
- Tablature
- CD includes 51 Full-Band Tracks for Demonstration or Play Along

BOOK 3 INCLUDES:

- More Great Songs, Riffs, and Examples
- Sixteenth Notes
- Playing Off Chord Symbols
- Slap & Pop
- Hammer Ons & Pull Offs
- Playing Different Styles and Grooves
- CD includes 76 Full-Band Tracks for Demonstration or Play Along

ook \$14.95, CDs \$8.00 = Pkg \$22.95
Parts not sold separately



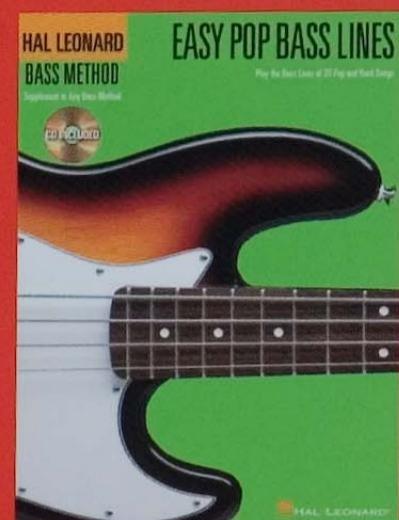
HL00695074



HAL • LEONARD®

ALSO AVAILABLE!

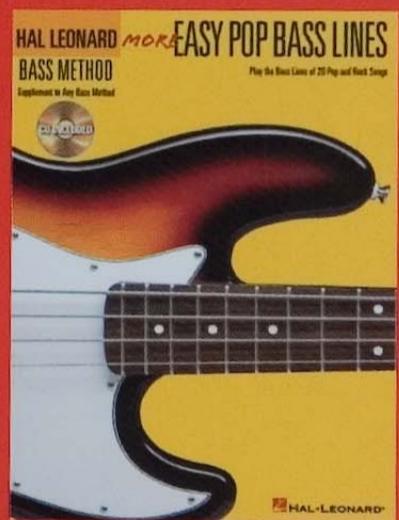
Easy Pop Bass Lines



BOOK 00695810

BOOK/CD 00695809

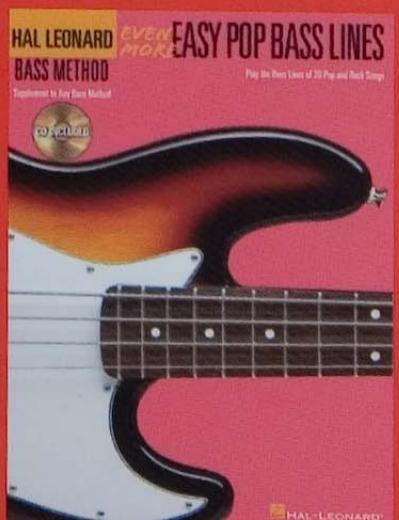
More Easy Pop Bass Lines



BOOK 00695819

BOOK/CD 00695818

Even More Easy Pop Bass Lines



BOOK 00695821

BOOK/CD 00695820

ISBN 0-7935-6383-6



9 780793 563838